PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 12	Sidney, O. Adv. 11.	Aug. 11
Aug. 15	Allegan, Mich. Adv. July 28 and Aug. 4.	July 28
Aug. 15	Atwater, Minn.	Aug. 4
Aug. 15	Idlewood, O.	Aug. 4
Aug. 15	River Falls, Wis.	Aug. 11
Aug. 16	Veblen, S. D.	Aug. 11
Aug. 16	Mattoon, Ill.	Aug. 11
Aug. 17	Scarsdale, N. Y. Adv. Aug. 4 and 11.	Aug. 11
Aug. 18	Joplin, Mo.	Aug. 4
Aug. 18	Tulsa, Okla.	Aug. 4
Aug. 24	Baltimore, Md. Adv. Aug. 11.	Aug. 11
Aug. 29	Carthage, N. Y. Adv. Aug. 11.	Aug. 11
Sept. 1	Verona, Pa.	July 21

SEWERS

Aug. 15	Toronto, Ont.	Aug. 4
Aug. 15	West Park, O.	Aug. 11
Aug. 15	Durham, N. C.	Aug. 11
Aug. 16	Ada, Okla.	Aug. 11
Aug. 16	Excelsior Springs, Mo.	Aug. 11
Aug. 17	Indianapolis, Ind. Adv. July 28 and Aug. 4.	July 28
Aug. 17	Phila., Pa.	Aug. 11
Aug. 18	New Brighton, S. I., N. Y.	Aug. 11
Aug. 22	Casper, Wyo.	Aug. 11
Aug. 22	Wash., D. C.	Aug. 11
Aug. 23	Burbank, Cal.	Aug. 11

BRIDGES

Aug. 15	Columbus, O.	July 21
Aug. 15	Burlington, Wis.	July 21
Aug. 15	Progress, Pa.	Aug. 4
Aug. 15	Comanche, Tex.	Aug. 11
Aug. 16	Bridgeport, Conn.	Aug. 11
Aug. 17	Rochester, N. Y. Adv. July 21 and 28, Aug. 4 and 11.	July 21
Aug. 17	Denville, N. J. Adv. Aug. 4 and 11.	Aug. 4
Aug. 18	Gaffney, S. C.	Aug. 11
Aug. 18	Vandalia, Ill.	Aug. 11
Aug. 19	Cobleskill, N. Y. Adv. Aug. 4 and 11.	Aug. 4
Aug. 19	Ohio	Aug. 11
Aug. 23	North Carolina	Aug. 11
Aug. 23	Trenton, N. J. Adv. July 28, Aug. 4 and 11.	July 28
Aug. 23	Valley City, Ill. Adv. Aug. 11.	Aug. 11
Aug. 24	New Jersey Adv. Aug. 11.	Aug. 11
Aug. 24	Cleveland, O.	Aug. 11
Aug. 26	Wellington, Kans.	Aug. 11
Aug. 30	Kelso, Wash.	July 28
Sept. 7	Kingman, Kan.	June 30

DAMS

Aug. 18	Halifax, N. S.	Aug. 11

RAILWAYS

Aug. 16	Wisconsin	Aug. 11

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
Aug. 15	Harlan, Ia.	Aug. 4
Aug. 23	Redwood Falls, Minn.	Aug. 11
Aug. 25	Benton, Mo. Adv. Aug. 4 and 11.	Aug. 4
Sept. 6	Mason City, Ia.	Aug. 11

STREETS AND ROADS

Aug. 15	Montreal, Que.	Aug. 4
Aug. 15	Camden, S. C.	Aug. 4
Aug. 15	Palo Pinto, Tex.	Aug. 4
Aug. 15	Somerville, N. J. Adv. Aug. 11.	Aug. 11
Aug. 15	Crystal Falls, Mich.	Aug. 11
Aug. 15	Comanche, Tex.	Aug. 11
Aug. 15	Wingham, Ont.	Aug. 11
Aug. 15	Montana	Aug. 11
Aug. 16	Albany, N. Y. Adv. Aug. 28, Aug. 4 and 11.	July 28
Aug. 16	New York	Aug. 4
Aug. 16	Massachusetts	Aug. 11
Aug. 16	Phila., Pa.	Aug. 11
Aug. 16	Lanark, Ill.	Aug. 11
Aug. 16	Magnolia, N. J.	Aug. 11
Aug. 17	New Jersey Adv. July 28 and Aug. 4.	July 28
Aug. 17	Missouri	Aug. 4
Aug. 17	Shawano, Wis.	Aug. 11
Aug. 17	Bellaire, Mich.	Aug. 11
Aug. 17	Petoskey, Mich.	Aug. 11
Aug. 17	Trenton, Mo.	Aug. 11
Aug. 17	New York, N. Y.	Aug. 11
Aug. 18	Richwood, W. Va.	July 28
Aug. 18	Missouri	Aug 4
Aug. 18	Baldwin, Mich.	Aug. 11
Aug. 18	Ada, Okla.	Aug. 11
Aug. 18	San Augustine, Tex.	Aug. 11
Aug. 19	Ohio	Aug. 11
Aug. 19	Sturgis, Mich.	Aug. 11
Aug. 19	Constantine, Mich.	Aug. 11
Aug. 19	Maryville, Tenn.	Aug. 11
Aug. 19	Denver City, Col.	Aug. 11
Aug. 20	Cedarburg, Wis.	July 28
Aug. 20	Brainerd, Minn.	Aug. 4
Aug. 22	Watertown, S. D.	Aug. 11
Aug. 22	Louisiana	Aug. 11
Aug. 22	Eagle River, Mich.	Aug. 11
Aug. 22	North Carolina	Aug. 11
Aug. 22	Wash., D. C. Adv. Aug. 11.	Aug. 11
Aug. 23	Worthington, Minn.	Aug. 4
Aug. 23	Anoka, Minn.	Aug. 4
Aug. 23	North Carolina	Aug. 11
Aug. 23	Kentucky	Aug. 11
Aug. 24	Delaware	Aug. 4
Aug. 24	Rhode Island Adv. Aug. 11.	Aug. 11
Aug. 24	Camden, Ark. Adv. Aug. 11.	Aug. 11
Aug. 25	Ontario	Aug. 11
Aug. 26	Wellington, Kan.	Aug. 4
Aug. 30	Troy, Kan.	Aug. 4
Aug. 31	Hiawatha, Kan.	Aug. 4
Sept. 1	Fairmont, Minn.	Aug. 11
Sept. 2	Ottawa, Kan.	Aug. 4

INDUSTRIAL WORKS

Aug. 14	Victoria, Australia	June 2
Aug. 15	Joliet, Ill.	Aug. 4
Aug. 15	Detroit, Mich.	Aug. 11
Aug. 16	Ossining, N. Y. Adv. Aug. 4 and 11.	Aug. 4
Aug. 17	Columbus, O.	Aug. 4
Aug. 18	Ithaca, N. Y. Adv. July 28, Aug. 4 and 11.	July 28
Aug. 18	Milwaukee, Wis.	Aug. 11

BUILDINGS

Bids Close		See Eng. News-Record
Aug. 15	Cleveland, O.	July 28
Aug. 15	Kerrville, Tex.	July 28
Aug. 15	San Antonio, Tex.	July 28
Aug. 15	Kankakee, Ill.	Aug. 4
Aug. 15	Phila., Pa.	Aug. 4
Aug. 15	Phila., Pa.	Aug. 11
Aug. 15	Kansas City, Mo.	Aug. 11
Aug. 16	Rapid City, S. D.	July 28
Aug. 16	Detroit, Mich.	July 28
Aug. 16	North Judson, Ind.	Aug. 11
Aug. 16	Nashville, Tenn.	Aug. 4
Aug. 16	Centralia, Ill.	Aug. 11
Aug. 16	Wrentham, Mass.	Aug. 11
Aug. 16	Pittsburgh, Pa.	Aug. 11
Aug. 16	Magee, Miss.	Aug. 11
Aug. 16	Brooklyn, N. Y.	Aug. 11
Aug. 17	Le Mars, Ia.	Aug. 11
Aug. 17	Phila., Pa.	Aug. 11
Aug. 17	Warrensville, O.	Aug. 11
Aug. 20	Springfield, Mo.	July 28
Aug. 20	Alliance, O.	Aug. 11
Aug. 22	Houston, Tex.	July 28
Aug. 22	Meadville, Pa.	July 28
Aug. 22	Cleveland, O.	Aug. 4
Aug. 22	Barnum, Ia.	Aug. 11
Aug. 22	Lewiston, Me.	Aug. 11
Aug. 24	Charleston, S. C.	Aug. 11
Aug. 24	South St. Paul, Minn.	Aug. 11
Aug. 26	Kansas City, Mo.	Aug. 11
Aug. 27	Augusta, Kan.	July 21
Aug. 27	Hoytville, O.	Aug. 11
Aug. 29	Cleveland, O.	Aug. 4
Aug. 29	Nashville, Tenn.	Aug. 11
Aug. 30	Mt. Vernon, Ind.	Aug. 4
Aug. 30	Webster City, Ia.	Aug. 11
Sept. 1	Bascom, O.	Aug. 4
Sept. 6	Lincoln, Neb.	July 21
Sept. 9	Ravenna, O.	Aug. 4
Sept. 16	Great Bend, Kan.	Aug. 11
Oct. 1	Williamsport, Pa.	Aug. 4

FEDERAL GOVERNMENT WORK

Aug. 15	Post Office, etc. — Globe, Ariz.	July 21
Aug. 15	Dredging Sleeves—Portland Ore.	July 28
Aug. 15	Hospital—Norfolk, Va.	Aug. 4
Aug. 16	Riprap, Baltimore, Md.	Aug. 4
Aug. 17	Chimney—Bellvue, D. C.	Aug. 4
Aug. 18	Dredging, etc. — Buffalo, N. Y. Adv. July 21 and 28, Aug. 4 and 11.	July 21
Aug. 18	Heating System—Memphis, Tenn. Adv. Aug. 4 and 11.	Aug. 11
Aug. 19	Mezzanine Floor, Appleton, Wis. Adv. Aug. 4.	Aug. 4
Aug. 19	Mezzanine Floors, etc. — Phila., Pa.	Aug. 11
Aug. 22	Dredging—Detroit, Mich. Adv. July 28, Aug. 4 and 11.	July 28
Aug. 22	Dredging—Phila., Pa. Adv. July 21 and 28, Aug. 4 and 11.	July 28
Aug. 22	Buildings—Norfolk, Va.	Aug. 4
Aug. 22	Dredging — Los Angeles, Cal.	Aug. 11
Aug. 23	Building, Wash., D. C.	Aug. 4
Aug. 24	Mechanical Equipment—Boston, Mass.	Aug. 11
Aug. 29	Alterations to Post Office — Eugene, Ore.	Aug. 11
Aug. 30	Hospital—Lake City, Fla.	Aug. 4
Aug. 31	Dredging, Detroit, Mich. Adv. Aug. 4 and 11.	Aug. 4
Aug. 31	Sprinkler System—Charleston, S. C. Adv. Aug. 11.	Aug. 11

Bids Close		See Eng. News-Record
Aug. 31	Ash Bunker, Power House Extension, etc.—Annapolis, Md. ..... Aug. 11 Adv. Aug. 11.	
Aug. 31	Gun Shed—Norfolk, Va.... Aug. 11 Adv. Aug. 11.	
Sept. 2	Barges—Pittsburgh, Pa.... Aug. 11 Aug. 11.	
Sept. 5	Wreck Removal — Norfolk, Va. ..... Aug. 11 Adv. Aug. 11.	
Sept. 5	Steel Barges — Memphis, Tenn. ..... Aug. 11 Adv. Aug. 11.	
Sept. 7	Dredging—Phila., Pa. Adv. Aug. 4 and 11.	
Sept. 7	Quay Wall Extension—San Diego, Cal. ..... Aug. 11	
Sept. 7	Riprapping Dike — Mare Island, Cal. ..... Aug. 11	
Sept. 7	Dredging and Filling, ettc.— San Diego, Cal. ..... Aug. 11	
Sept. 7	Crane—South Boston (Boston P. O.), Mass. ..... Aug. 11	
Sept. 7	Crane — Puget Sound, Wash. ..... Aug. 11	
Sept. 14	Pumping Units — Denver, Colo. ..... July 28 Adv. July 28 and Aug. 4.	
Sept. 21	Machine Shop—Pearl Harbor, H. T. ..... Aug. 11	

MISCELLANEOUS

Aug. 15	Center Bearing, etc., New Haven, Conn. ..... Aug. 4 Adv. Aug. 4.	
Aug. 15	Cargo Shed and Bulkhead, Wilmington, Del. ..... Aug. 4	
Aug. 15	Portland Cement, etc. — St. Paul, Minn. ..... Aug. 11	
Aug. 16	Inspection Shed, Brooklyn, N. Y. ..... Aug. 4	
Aug. 16	Transmission Line—Haddam, Kan. ..... Aug. 11	
Aug. 17	Jib Cranes — Brooklyn, N. Y. ..... July 21 Adv. July 21 and 28, Aug. 4 and 11.	
Aug. 17	Culverts, etc. — Ontario, Can. ..... Aug. 11	
Aug. 17	Culverts—Jefferson, La.... Aug. 11	
Aug. 18	Test Borings—Phila., Pa... July 28	
Aug. 20	Piers and Abutments—Dayton, O. ..... July 21	
Aug. 22	Dock Wall, etc. — Buffalo, N. Y. ..... Aug. 11	
Aug. 26	Incinerators, Phila., Pa.... Aug. 4 Adv. July 28, Aug. 4 and 11.	
Aug. 26	Ferry Landing—Palmyra, N. J. ..... Aug. 4	
Aug. 26	Breakwater—Ft. William, Ont. ..... Aug. 4	
Aug. 26	Steam Generating Equipment —Hammond, Ind. ..... Aug. 11 Adv. Aug. 11.	
Sept. 7	Dredge—Belzoni, Miss..... Aug. 11 Adv. Aug. 11.	
Sept. 12	Garbage Disposal—Providence, R. I. ..... Aug. 11 Adv. Aug. 11.	
Sept. 17	Railway Ties — Toronto, Ont. ..... Aug. 11	

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N., C., Winston-Salem—See "Streets and Roads."

O., Cleveland—Cmrs. Cuyahoga Co. plan to build pumping station and 1,500,000 gal. concrete reservoir near Wooster Pike and Brook Park Rd. About $375,000. R. F. MacDowell, Court House, engr.

Ill., Nokomis — City having plans prepared for addition to waterworks system, including pumping station, 100 ft. steel tower, 60,000 gal. steel tank and 4 mi. water mains. About $30,000. Mome & Lunbar, Chemical Bldg., St. Louis, Mo., engrs.

Mo., Hamilton—City voted $75,000 bonds to build water works system. C. F. Ridins, clk. Engineer not selected.

Mo., Wellsville—City election soon to vote on $75,000 bonds to build waterworks system. Rollins Eng. Co., 209 Ry. Exch. Bldg., Kansas City, engrs.

Mo., Wellsville—City having plans prepared for new water mains and pumping station. About $40,000. E. Heckart, mayor. W. B. Robbins Co., Ry. Exch. Bldg., Kansas City, engrs. Noted July 14.

Okla., Granite City—City plans to improve reservoir and build 4,200 ft. pipe line and deep well. About $65,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Ont., North Grimsby—Twp. had plans prepared building 26,000 ft. 6 in. c.i. water mains from here to Clinton Twp. line. About $60,000. T. W. Allan, clk. W. Rutherford, Grimsby, engr.

BIDS DESIRED

N. Y., Carthage—Until Aug. 29, by Village Bd., building 40 x 110 ft. concrete-steel standpipe. A. C. Brady, clk.; advertised in this issue.

N. Y., Scarsdale—Until Aug. 17, by Bd. Water Comrs., Village Hall, Popham and Post Rds., constructing 7 mi. c.i. pipe line extensions. G. W. Field, clk.; advertised in this issue.

Md., Baltimore—Until Aug. 24, by Bd. of Awards, City Hall, for building balancing reservoir, surge tank and closing shaft 13, Contr. 51; advertised in this issue.

O., Sidney—Until Aug. 12, by city, extending water mains. B. Coulson, city engr.; advertised in this issue.

Ill., Matton—Until Aug. 16, by city, c/o F. A. Marman, clk., reconstructing "Paradise" Reservoir, increasing capacity from 500,000,000 to 1,000,000,000 gal., including 3,000 ft. c.i. pipe. C. L. James, Matton, engr. Noted March 24.

Wis., River Falls—Until Aug. 15, by City, c/o G. Smith, mayor, building concrete pump house and filter basin, centrifugal or triplex pumps, etc. About $20,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engr. Noted July 14.

S. D., Veblen—Until Aug. 16, by City Auditor, building 100,000 gal. concrete reservoir and repairing elevated tank. Dakota Eng. Co., Mitchell, engrs.

Ont., Goderich — Town receiving bids furnishing gasoline pumping equipment in connection with chlorination and filtration plant. About $70,000. E. H. Darling, Home Bank Bldg., Hamilton, engr. Noted June 23.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—Dept. Water, Gas & Electricity, Municipal Bldg., opened bids Aug. 3, furnishing, delivering and laying water mains and appurtenances in (1) Concord, Jackson, Melrose, Prospect and Trinity Aves., East 144th, East 151st, East 155th and East 158th Sts., Boro of Bronx, (2) 1st Ave., Dyckman, East 117th, West and Marginal Sts., Boro. of Manhattan, Haigh, Pierce and Van Nest Aves., East 138th and Adams Sts., Boro. of Bronx, from Paladino Contg. Co., 437 East 120th St., (1) $139,364, (2) $33,287; J. O'Leary, (1) $145,548; Norton Eng. & Contg. Co., (1) $145,700, (2) $32,969; C. Deblasio, 1764 Honeywell Ave., (2) $31,731. Noted July 28.

★**Pa., Phila.**—City let contract building 60 in. steel pumping main at Norristown pumping plant, to Beam & Craven Co., Real Estate Trust Bldg. About $165,000.

★**O., Maple Heights** (Worthington P. O.) —Village let contract laying water mains in Libbey Rd., to Gantos Constr. Co., Columbia Bldg., Cleveland, $28,419; in Arch, Joseph, Phillip, Irwin, Cato, Thomas, McCracken, Sterling, Stanley and Miller Sts., to Lanese Co., Columbia Bldg., Cleveland, $87,180. Noted Aug. 4.

O., South Euclid—Village received bids building 4,780 ft. 8 in. c.i. water mains, from Curro Bros., 12206 Mayfield Rd., Cleveland, $22,536; J. B. Lynn, 343 The Arcade, Cleveland, $25,190; sidewalks, from Euclid Mfg. Co., 1285 West 6th St., Euclid, $10,130.

★**O., West Park**—See "Sewers."

★**Ill., Flora**—City let contract extending and improving waterworks, electric light and power plants, laying 4-8 in. watermains and adding one unit to power plant, to Baumes & McDevitt, Ry. Exch. Bldg., St. Louis, Mo. About $40,000. Noted July 21.

★**Ia., Arnolds Park**—City let contracts building 3 mi. 4 and 6 in. c.i. pipe watermains, to P. N. Kruse, Spencer, $18,000; steel tower and tank, pump house, intakes, centrifugal pumps and chlorination plant, to Wickes Eng. & Constr. Co., 418 Polk Bldg., Des Moines, $9,500. Noted June 2.

★**Ia., Des Moines** — Bd. Water Works Trustees, c/o C. Denman, mgr., let contract building 1 story, 125 x 125 ft., rein.-con. and brick, pump and boiler house, with coal pits and bunkers, to A. H. Neumann & Co., 519 Hubbell Bldg., Des Moines, $173,829. Noted Aug. 4.

Ia., Pella—Waterworks Committee received bids constructing water tank, 200,000 gal. capacity, and 110 ft. tower, from Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, steel $11,937; Wickes Eng. & Constr. Co., 418 Pok Bldg., Des Moines, steel $12,974, concrete $19,975. Noted July 21.

★**Wash., Marysville**—City Comn. let contract building water distributing system, including new pipe line, to H. W. Troutman Co., Seattle, $80,975. Noted July 7.

Cal., Los Angeles—See "Dams."

Sewers

PROPOSED WORK

Fla., Green Cove Springs — City having surveys made laying 2½ mi. 6-8 in. sewers, with manholes, etc. About $25,000. McCrary & Co., 3d Natl. Bank Bldg., Atlanta, Ga., engrs.

N. C., Winston-Salem—See "Streets and Roads."

O., Dayton—City plans to build 5,000 ft 18-24 in. vitr. storm sewer in West 5th St from Miami River to Western Ave. About $25,000. G. F. Baker, City Bldg., city engr.

Ill., Wilmette — City having plans prepared for brick or rein.-con. outflow sewers. About $25,000. L. Pearce, 900 South Michigan Ave., Chicago, engr.

Ont., London—City receives bids end of August constructing concrete and steel building to house pumps and equipment. About $50,000. Prices wanted on all materials. H. A. Brazier, city engr. See item under "Prices and Contracts Awarded."

Ont., St. Thomas—City plans to build 11,000 ft. vitr. and concrete storm sewers in various streets. About $35,000. W. C. Miller, City Hall, engr.

BIDS DESIRED

N. Y., S. I., New Brighton—Until Aug. 18, by C. D. Van Name, pres. Richmond Boro. Boro Hall, building sewage treatment plant in block bounded by Quincy St., Cromwell, Boardman and Scotland Aves., also relay pumping stations in Seaside Blvd. and Hinschcliff Ave.

Pa., Phila.—Until Aug. 17, by F. Caven, dir. Pub. Wks., building 3,200 ft. 6 ft. 6 in. concrete sewer in Delaware Ave. from Snyder to Bigler Aves. Cost to exceed $200,000.

D. C., Wash.—Until Aug. 22, by Washington Suburban Sanitary Sewer Comn., Evans Bldg., New York Ave., building 12,250 ft. 6-10 in. sewer, etc. W. T. S. Curtis, comr.; Hyattsville, advertised in this issue.

N. C., Durham—Until Aug. 15, by City Manager, constructing 28,000 ft. 8 in. and 1,200 ft. 10 in. sanitary sewers. About $50,000. H. W. Kueffner, Durham, engr.

O., West Park—Until Aug. 15, by city, building sewers in West 130th and 136th Sts., Wynan, Triskett and Midland Aves. About $40,000. J. Reitz, City Hall, engr.

Wyo., Casper — Until Aug. 22, by City Council, constructing trunk and branch sewers, manholes and flushes, in Sanitary Sewer Dist. 7, involving 2,500 ft. 8 in. pipe, about $4,876; Dist. 8, 17,500 t. 8 in. and 2,140 ft. 12 in., $39,500; Dist. 9, 4,600 ft 8 in., $9,700. F. S. Knittle, city engr.

Mo., Excelsior Springs—Until Aug. 16, by city, c/o W. L. Bates, clk., building 11,300 ft. 8 in. tile sewer in Dist. 6, involving 722 cu.yd. rock excav., 3 flush tanks and 42 manholes, etc. About $40,000. Shockley Eng. Co., Graphic Arts Bldg., Kansas City, engrs.

Okla., Ada—Until Aug. 16, by city, c/o W. B. Jones, clk., laying 10-15 in. vitr.

Sewers (continued)

tile sewers in Dist. 15. About $25,000. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., engrs.

Col., Denver City — See "Streets and Roads."

Cal., Burbank—Until Aug. 23, by City Clerk, constructing sewerage system, involving 1,250 ft. 8 in., 12,775 ft. 10 in., 9,043 ft. 12 in. and 1,128 ft. 20 in. cement or vitr. pipe, 20,000 cu.yd. earth trenching, 200,000 gal. activated sludge plant, etc. Koebig & Koebig, 841 Title Insurance Bldg., Los Angeles, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Lincoln**—City let contract building sewerage system in center of city to M. J. Rogers, 62 Boyd St., Bangor. Cost between $25,000 and $30,000. Noted May 26.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., opened bids Aug. 8, building sewer in (1) Jay Ave. from Willow Ave. to Mueller St., Hull Ave. from Hamilton Ave. to Mueller St. and Burrough Ave. from Hull to Jay Aves., 2nd Ward; temporary sanitary sewer in (2) Jeffrey Ave. from Hillside Ave. to William St., 4th Ward, from G. L. Schrade, 193 Beach 108th St., Seaside, (1a) $26,478, (1b) $24,336; Green Contg. Co., 734 Vernon Ave., Astooria, (1a) $29,130, (1b) $28,692; J. F. Clancy, Inc., (1a) $30,572, (1b) $29,834, (2) $3,740; A. Paino, 2016 East 14th St., Brooklyn, (1b) $25,216; F. Spinelli, 142 Jefferson St., Brooklyn, (2) $3,087; Kennedy & Smith, Inc., 94 Main St., Flushing, (2) $3,623. Noted Aug. 4.

Pa., Phila.—City opened bids Aug. 5, building 6 x 9 ft. sewer in (1) Venango St. from Allen to Edgemont Sts., about $100,000; (2) 3 ft. sewer in Wissihickon Low Lever through Fairmount Park, $80,000; sewer in (3) Napfley St. from Cottage to Frankford Aves., involving (a) 5 ft. vitr. brick sewer, (b) 4 ft. vitr. brick, (c) 4 ft. sewer in hard rock with stone invert, (d) additional excavations below sewer depth, including sheathings, pumping, etc., (e) additional concrete below sewer depth, $125,000; (4) Pratt St. between Okland and Lorette Sts., (a) 6 ft. 6 in. in hard rock with stone block invert, (b) 6 ft. 6 in. in hard rock with vitr. brick, (c) 6 ft. 6 in. in reduced cradle with vitr. brick, (d) 6 ft. 6 in. in full cradle with vitr. brick, (e) 6 ft. in reduced cradle with vitr. brick invert, $90,000; (5) Charles St. from present terminus southwest of Longshore St. to Longshore St. and Longshore St. from Charles to Gilmore Sts., (a) 7 ft. in reduced cradle with vitr. brick invert, (b) 6 ft. 6 in. in reduced cradle with vitr. brick, $75,000, from A. Pernan, Upper Darby, Phila., (1) $49 per lin.ft.; J. Lombardi, 1637 South Broad St., (1) $54.26, (2) $27.33; J. Karney, Phila., (1) $60.65; T. Pernan, Upper Darby, Phila., (2) $27.17; Riley & Higgins, Real Etate Trust Bldg., (2) $27.77; O'Neill Co., 127 East Mermaid Lane, (3a) $32.46, (3b) $33.86, (3c) $39 74, (3d) $33.56, (3e) $36.66, (4a) $30.12, (4b) $23.92, (4c) $24.96, (4d) $6, (4e) $7.50; J. J. McHugh, Bala, (3a) $36.65, (3b) $39.86, (3c) $47.88, (3d) $40.42, (3e) $40.88; A. Joffola, Lincoln Bldg., (3a) $34, (3b) $35.69, (3c) $47.21, (3d) $43.70, (3e) $41.68; Curtiss Bros., Longshore St., (4a) $30, (4b) $22, (4c) $24, (4d) $2, (4e) $12, (5a) $48, (5b) $44; F. Buckins, Jr., Kensington and Deal Sts., (4a) $33.37, (4b) $20.50, (4c) $20.50, (4d) $2, (4e) $9; R. Lombardi, Lincoln Bldg., (5a) $49.35, (5b) $49.35; P. Ellis, 3324 North 11th St., (5a) $47.65, (5b) $43.

★**Pa., Phila.**—City let contract building concrete sewer in Delaware Ave. from Moore St. to Delaware River, to R. Lombardi, Lincoln Bldg. About $35,000.

★**Pa., Phila.**—City let contract to A. Jaffolla, Lincoln Bldg., laying 6 ft. 6 in. concrete sewer in Ognotz Ave. between 67th and Andrews Aves., about $100,000; Ognotz Ave. from Washington Lane to 79th Ave., $40,000; Ognotz Ave. between Andrews and 72nd Aves., $95,000; Ognotz Ave. from 72nd Ave. N. and Washington Lane, $65,000.

★**O., Dayton**—Montgomery Co. let contract building storm and sanitary sewers in Fairview Sanitary Sewer Dist. 1, to C. F. Smith & Son, 54 Davies Bldg., $164,459. Noted Dec. 2.

★**O., West Park**—City let contract laying sewers and water mains, in Sprecher, Carrington, Metherson, Leella, Williams, Cloverdale Aves. and West 127th St., to Sprague & Burkhart. 12011 Woodland Ave., Cleveland, $33,495; Belmont, Herman and Rockport Aves., to E. Egan, 720 Caxton Bldg., Cleveland, $18,482. Work involves 8,200 ft. 12-24 in. vitr. pipe. Noted July 14.

★**S. D., Watertown**—City let contract building storm sewers in various streets, to Bruce-Bickelhaupt Co., Yankton, $41,700.

★**Mo., Excelsior Springs**—City let contract building sewers in five districts, to Harness Bros., Ottumwa, Ia. About $40,000.

★**Ont., London**—City let contract furnishing electrically driven sewage pumps, to Northern Fdry. & Machine Co., Bay St., Sault Ste. Marie, $9,378, force mains, to J. R. McKnight Constr. Co., 88 St. David St., Toronto, $11,890.

★**Que., Montreal**—Administrative Comn. let contract building 1¾ mi. 2 x 3 ft. brick sewers in Gouin Blvd., to A. Thazaw, c/o E. Fusey, Engr. of Sewers, City Hall, $26,835. Noted June 30.

Bridges

PROPOSED WORK

N. C., Elkin—City plans to build 200 ft. rein.-con. bridge, 18 ft. roadway, two 5 ft. sidewalks, piers, abutments, etc. About $25,000. J. W. Ring, mayor.

Fla., Daytona—City, c/o J. L. Pepper, secy. citizens com., plans to build 1,000 ft. bridge across river, probably timber approaches with steel lift. About $100,000.

Kan., Lawrence—Douglas Co. had plans prepared for Patton Bridge, to have one 108 ft. through truss span, two 30 ft. approaches and 16 ft. roadway; Gress, Deister and Hammer Bridges, each 24 ft. long, 20 ft. wide, rein.-con. T girder spans. B. L. Wolfe, Lawrence, engr.

Kan., Marysville—Marshall Co. plans to build several bridges, including Deunsing Bridge, 22 ft. T girder span, involving 95 yd. dry excav., 24.5 yd. Class A and 91 yd. Class C concrete, 3,682 lb. steel; Hull Bridge, 42 ft. truss span, 16,426 lb. structural steel and 2,296 ft. flooring, Minehan Bridge, 50 ft. truss span, 72 yd. wet excav., 61 yd. Class A and 53 yd. Class C concrete, 10,374 lb. reinforcing and 20,773 lb. structural steel, etc.; Gregg Bridge, 40 ft. T girder span, 46.2 yd. Class A and 2.3 yd. Class E concrete, 10,328 ft. flooring, etc. T. G. Gallup, Marysville, engr.

Minn., Winona—Winon Co. (Winona), Buffalo Co., Wis. (Alma), States of Minnesota and Wisconsin and Federal Government plan to replace interstate bridge over Mississippi River, between here and Alma, steel and concrete. About $500,000. A. Baeuerlen, aud.

Mo., Steelville—City had plans prepared building rein.-con. span bridge 148½ ft. long, 30 ft. wide, including approaches. About $45,000. Elston, Axon & Russell, McDaniel Bldg., Springfield, engrs.

Tex., Highland Park (Dallas P. O.)—See "Streets and Roads."

Ont., Ottava—Bd. Control, City Hall, having estimates made for 2 rein.-con. bridges over Grand Trunk Ry., on Turner and Bell Sts. About $90,000. A. F. Macallum, city engr.

BIDS DESIRED

Conn., Bridgeport—Until Aug. 16 by Dept. Pub. Wks., repairing and strengthening Congress St., bridge over Pequonnock River, rein.-con. About $50,000. Former contract rescinded. Fay, Spofford & Thorndike, 15 Beacon St., Boston, Mass., engrs. Noted June 23.

North Carolina—Until Aug. 23, by State Highway Dept., at div. office, Marion, building bridges on State Project 571, McDowell Co., involving 2,140 cu.yd. Class "A," 680 cu.yd. Class "B" and 40 cu.yd Class "C" concrete, 260,900 lb. reinforcing steel, etc. About $87,000. C. M. Upham, Raleigh, state highway engr.

Ill., Valley—Until Aug. 23, by Comrs. Valley City Drainage and Levee Dist., Pike Co., at office E. T. Perkins Erg. Co., engrs., 1211, 38 South Dearborn St., Chicago, constructing one 80 ft. span steel highway bridge and 120 ft. wood pile trestle. W. Severns, chn.; advertised in this issue.

Ill., Vandalia—Until Aug. 18, by J. V. Waddell, co. supt. highways, Fayette Co. (Vandalia) and C. E. Chester, co. supt. highways, Shelby Co., (Shelbyville) at St. Francis Hotel, Pana, constructing one 60 ft. steel span, 14 ft. roadway, on existing tubular piers, over Mitchell Creek, between Fayette and Shelby Counties.

Ohio—Until Aug. 19, by Dept. Highways and Pub. Wks., Columbus, building bridge on Sect. J. I.C.H. No. 36, Cuyahoga Co. About $31,250. L. C. Herrick, dir. highways.

O., Cleveland—Until Aug. 24, by Comrs. Cuyahoga Co., building steel lift bridge on concrete abutments over Cuyahoga River, involving 1,150 cu.yd. concrete, 360,000 lb structural and 85,000 lb. reinforcing steel, 3,000 cu.yd. earth approach and fill, 1,174 sq.yd. wood blocks. About $81,000. W. A. Stinchcomb, Court House, engr.

Tex., Comanche—Until Aug. 15, by F. J. Reese, judge Comanche Co., constructing steel span bridges on concrete piers and abutments and concrete slab bridges on Highways 18 and 22, involving 2,212.3 cu. yd. Class A and 518.5 cu.yd. Class B concrete, 204,621 lb. reinforcing and 138,600 lb. structural steel, 1,848 lin. ft. concrete piling, 1,043 cu.yd. dry and 729 cu.yd. wet structural excav., etc. About $85,000. L. D. Parks, De Leon, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., Warwick**—State Bd. Pub. Rds., Providence, let contract constructing 3 span rein.-con. arch bridge between here and Cranston, 205 ft. long, 48 ft. wide, to T. I. Ellis, 171 Westminster St., Providence, $40,393. Noted Aug. 4.

New Jersey—Until Aug. 24, by State Highway Comn., Broad St. Bank Bldg., Trenton, building Bridge K on Route 4 over Jobs Creek, south of Tuckerton, Burlington Co.; Bridge 14, M. P. 2.1-W, Bridge 12, M. M. 3.2-W, Culvert 15, M. P. O. 8-W, Culvert 13, M. P. 2.5-W, Culvert 11, M. P. 4.2-W and Culvert 9, M. P. 4.5-W on Route 12, Sect. 3, between Phillipsburg and Washington, Warren Co., C. A. Mead, 790 Broad St., Newark, bridge engr.; advertised in this issue.

★**Kentucky**—State Highway Comn., Old Capitol Bldg., Frankfort, let contract building substructures for two 50 ft. steel spans, concrete floor, one 40 ft. steel span, 16 ft. roadway, wood floor, one 75 ft. steel span, wood floor, Barren and Cumberland Counties, to Kentucky Bridge Co., Louisville, $40,194; superstructures for two 50 ft., one 40 ft. and one 75 ft. steel spans, super and substructures for one 100 ft., one 75 ft. and one 50 ft. steel spans, Barren, Cumberland and Metcalf Counties, to Vincennes Bridge Co., Vincennes, Ind., $32,981.

★**Kentucky**—Clark and Madison Counties let contract building five 30 ft., two 20 ft., three 12 ft. and one 6 ft. span bridges and three 12 ft. concrete slab spans, to Monohan & Forbes, Richmond, $30,280. Noted July 21.

★**N. C., Charlotte** — Meckenburg Co. (Charlotte) and York Co., S. C., (York), let contract building bridge over Catawba River, to Hardaway Constr. Co., Charlotte, $96,644. Noted July 28.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Aug. 5, building bridges in following counties:

Allen Co., Sect. "K" Lima-Sandusky Rd., from H. B. Waters, Columbus, $1,530; E. K. Jennings & Son, Fitchville, $1,644; H. A. MacDonald, Norwalk, $1,755.

Lake Co., Sect. "J" Cleveland-Buffalo Rd., rein.-con. arch bridge, 846.5 ft. long, 24 ft. pavement, 24 ft. roadway, F. W. Mark, Leader-News Bldg., Cleveland, $92,800; Towell & Harris, Painesville, $93,535; Jack Walsh Co., Youngstown, $95,316.

Marion Co., Sect. "G" Marion-Galion Rd., V. S. Secord, Marion, $1,087; G. E. Druyer, Marion, $1,110; H. B. Waters, Columbus, $1,516. Noted July 28.

★**Michigan**—State Highway Dept., Lansing, let contract building Bridges 660401 and 660402, both 35 ft. spans, concrete arches, in Ontonagon Co., to G. Anderson, Marquette, $28,508. Noted July 21.

Mich., Flushing — State Highway Dept., Lansing, let contract building Bridge 250801, 168 ft. long, 3 span concrete arch, here, involving 1079.4 cu.yd. rein.-con. and 879.9 cu.yd. concrete, to Smith & Nichols, Hastings, $49,604. Noted June 9 under Michigan.

Wis., Appleton—City received bids Aug. 3, building 385 ft. rein.-con. bridge over Lowe St., from Wausau Iron Wks., Wausau, $59,800; Koss Constr. Co., 2818 5th St.,

Bridges (Continued)

Des Moines, Ia., $63,305; Blake Constr. Co., 627 South River St., Appleton, $65,252. Noted July 21.

★**Ia., Marhalltown** — Marshall Co. let contract building two 18x50 ft. pony truss spans, one 24 x 26 ft. I-beam span, 10 circular culverts, 24 in. in diam., 15 rein.-con. box culverts, involving 42,000 lb. structural steel, 63,400 lb. steel bars, etc., to Alexander & Higbie, 2733 6th St., Des Moines, $25,000.

Ia., Onawa—Monona Co. received bids building 78 rein.-con. box culverts, from 2 x 2 ft. to 8 x 8 ft.; one 20 x 42 ft. concrete arch span; one 20 x 60 ft., one 20 x 80 ft., and one 20 x 50 ft. steel pony truss, on Primary Rd. Project 48, involving 2,837 cu.yd. rein.-con., 179,680 lb. structural and 189,900 lb. bar steel, from F. E. Marsh & Co., Jefferson, $81,500; Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, $90,030; Pickus Eng. & Constr. Co., Davison Bldg., Sioux City, $82,569. Noted July 28.

★**S. D., Winner**—Lyman and Tripp Counties let contract building Winner-Kennebec Bridge, steel, with wood floor, over White River southeast of here, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb., $34,431. Noted June 9.

Tex., Wheeler—Wheeler Co. received bids building 1,380 ft. straight concrete pile trestle bridge, 16 ft. wide, over north fork of Red River, involving 141.5 cu.yd. Class A concrete, 241,770 lb. plain steel bars, 12,402 lin.ft. concrete piling, 9,569 cu.yd. earth borrow and 2,051.8 cu.yd. earth roadway excav., from Holt Bridge Co., Canadian, $97,826; Unit Constr. Co., Title Guarantee Bldg., St. Louis Mo., $108,146; Brown, Abbott Co., Loraine, $108,773.

★**California** — State Highway Dept., 515 Forum Bldg., Sacramento, let contract building bridge across Bear Gulch, near Garbersville, on Div. 1, Route 1, Sect. B, Humboldt Co., to F. H. Green, Eureka, $33,600; bridges over Shasta River, Park and Willow Creeks, on Div. 2, Route 3, Sect. B, Siskiyou Co., to T. H. Polk, Chico, $18,510. Noted Aug. 4.

Cal., El Monte—Comrs. Los Angeles Co. (Los Angeles), opened bids July 25, building bridge over Rio Hondo on El Monte Pomona Rd., from C. A. Fellows, Central Bldg., Los Angeles, $86,700; E. L. Garretson & Son, Los Angeles, $97,500; Ross Constr. Co., Los Angeles, $112,263. Noted July 14.

Dams

BIDS DESIRED

N. S., Halifax—Until Aug. 18, by Provincial Water Power Comn., c/o K. H. Smith, c. engr., building concrete storage dam at foot of Big Indian Lake, 20 mi. from here. About $57,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Cal., Los Angeles—Los Angeles Co. received bids July 25, building concrete dam in Live Oak Canyon, from C. H. Hudson, 508 Marsh-Strong Bldg., $55,400; M. Ryan & Son and Roberts Co., Los Angeles, $55,530; Bent Bros., 825 Central Bldg., $62,192. Noted July 14 under "Waterworks."

Excavation and Dredging

PROPOSED WORK

Wyo., Riverton — Drainage — Riverton Valley D. D., c/o P. B. Dykeman, secy., plans to sell $100,000 bonds to install 9 mi. 10-21 in. tile drains, involving 12,500 cu.yd. excav. A. H. Ayers, Box 246, engr.

BIDS DESIRED

Ia., Mason City—Drainage—Until Sept. 6, by Cerro Gordo Co., building D. D. 98, involving 9,400 lin.ft. 6-14 in. tile; D. D. 102, 12,500 lin.ft. 6-12 in.; D. D. 100, Sect. 1, 20,350 ft. 6-20 in., and Sect. 2, 7,800 ft. 6-10 in.; D. D. 107, 9,650 ft. 6-12 in. About $25,000. P. Wiegand, aud.

Minn., Redwood Falls—Ditch—Until Aug. 23, by Redwood Co., building Co. Ditch 54, involving 210,318 cu.yd. excav., about $35,754; Co. Ditch 66, 37,300 lin.ft. 6-24 in. tile, etc., $26,448; Co. Ditch 70, 200 ft. 18-24 in. sewer pipe, 31,050 ft. 6-20 in. tile, $24,481. B. J. Reynolds, Redwood Falls, engr. for Ditch 54. F. B. Forbes, Redwood Falls, engr. for Ditch 66 and 70.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

Wis., Racine—Ditch—Hood Creek D. D., 1418 Park Ave., received bids Aug. 3, building 86,000 cu.yd. open ditch work in Mt. Pleasant, Yorkville and Caledonia Twps., from P. Youder, Napanee, Ind., at $0.1148 per cu.yd.; furnishing and laying tile on above, from L. Peterson, Clark St., $52,875. Noted July 28.

★**Minn., St. Peter**—Ditch—Nicolett Co. let contract building Co. Ditch 71, involving 15,885 lin.ft. open work, to D. Coleman, Forest City, Ia., $7,679; 44,550 lin.ft. 8-24 in. tile, to Judson Concrete Co., Judson, $14,000; tile labor, to P. Nielsen, Glidden, Ia., $9,503. Noted July 21.

Streets and Roads

PROPOSED WORK

Mass., Greenfield—Bd. Selectmen plans to pave 1¼ mi. Deerfield St., cement concrete. About $40,000. Private plans.

N. J., Trenton—City Comn. plans to pave Pennington and North Clinton Aves., also repave North Clinton Ave. from Pennsylvania R.R. to Mulberry St. and Pennington Ave. from Warren to Willow Sts., vitr. brick and asphalt. About $59,500. A. Swan, city engr.

Pa., Phila.—F. H. Craven, city dir., soon receives bids grading, curbing and paving 2 mi. Cobbs Creek Parkway from Woodland to Florence, 60 ft. wide, asphalt on concrete base. About $170,000. F. Dunlap, 216 City Hall, engr.

North Carolina—State Highway Dept., Raleigh, Plans to grade, drain and pave with concrete or some asphaltic material on concrete base 7 mi. road between Reidsville and Wentworth, State Project 627, Rockingham Co., about $225,000; clear, grub, drain, grade, bridge and surface 30 mi. road from Martin Co. line to Creswell, State Project 544, Washington Co., $250,000; 14 mi. road between Hillsboro and Prospect Hill, State Project 625, Orange and Caswell Counties, $100,000. C. M. Upham, state highway engr.

N. C., Charlotte—City soon receives bids paving East 4th and other streets, asphalt. About $150,000. J. Firth, Charlotte, engr.

N. C., Winston-Salem—City plans to pave various streets, also extend waterworks and sewerage systems. About $350,000. W. T. Ritter, secy. Chamber Commerce.

Florida—State Highway Comn., Tallahassee, having plans prepared grading and hard surfacing 10 mi. road from Lake City to Baker Co. About $40,000. C. A. Browne, state highway engr.

Fla., Bartow—Polk Co., and State Highway Comn., Tallahassee, plan to pave 21 mi. road from Haines City to Frostproof, sheet asphalt or rock base. About $42,000. R. H. Brown, Bartow, engr. Noted May 19.

Fla., Bushnell—City voted $30,000 bonds to pave 4 mi. various streets. Engineer not announced.

Fla., Ft. Pierce—St. Lucie Co. and State Highway Dept., Tallahassee, plan to widen portion and pave 18 mi. road from Ft. Pierce to Okeechobee Co. line, 6-15 ft. wide, sheet asphalt on rock. About $52,000. C. A. Browne, Tallahassee, state highway engr.

Fla., Green Cove Springs—City having surveys made grading and paving 6 mi. various streets, 16-24 ft. wide, vitr. brick. About $40,000. McCrary & Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs.

Fla., West Palm Beach—Palm Beach Co. plans to widen 40 mi. Dixie Highway from Stuart to Broward Co. line, from 30 to 60 ft., brick or asphalt. R. P. Goodman, West Palm Beach, engr.

Ohio—State Highway Comn., Columbus, rejected bids opened July 22, building roads in the following counties:

Greene Co., Sect. "B" Springfield-Jamestown Rd., 6.9 mi. grading, constructing bridges and culverts and paving with either bituminous macadam (A-1) or (T-1).

Knox Co., Sect. "B-1" Mt. Vernon-Newark Rd., 3.39 mi. grading, constructing drainage structures and paving with monolithic brick.

Monroe Co., Sect. "F" Woodsfield-Sistersville Rd., 2.164 mi. grading, constructing drainage structures and paving with bituminous macadam on rolled base.

Warren Co., Sect. "C-1" Columbus-Cincinnati Rd., 4.42 mi. grading, constructing bridges and culverts and paving with bituminous macadam or rein.-con. Noted July 28.

O., Columbus—Franklin Co. having plans prepared grading, building bridges and culverts and paving 10.82 mi. Alkire Rd., 16 and 18 ft. wide, bituminous macadam, cost $388,000; 21,717 ft. Columbus-Millersburg Rd., I. C. H. No. 23, 19 ft. wide, brick; 7.57 mi. Morse Rd., 16 ft. wide, waterbound macadam with bituminous top course, $266,500. C. C. Lattimer, Court House, engr.

O., Dayton—City plans to pave 5,000 ft. West 5th St. from Miami River to Western Ave., involving 22,000 sq.yd. vitr. brick or asphaltic concrete on concrete base. About $110,000. G. F. Baker, City Bldg., city engr.

Ill., Belvidere—City plans to pave Whitney St., vitr. brick on concrete base. About $25,000. W. W. Marean, Belvidere, engr.

Ia., Maysville (Walcott P. O.)—Village plans to pave about 6 blocks Main St. About $25,000. W. Wamser, clk.

Minnesota—Clay Co. (Moorhead) and Wilkin Co. (Breckenridge) having plans prepared grading 40 mi. State Highway 6, from Breckenridge to Wolverton and along Red River to Moorhead, 24 ft. wide. About $80,000. C. M. Babcock, 920 Guardian Life Bldg., St. Paul, state highway engr.

Minn., Austin—Mower Co. having plans prepared grading 18 mi. Job 2201, between Adams and Lyle, cost $47,500; 10.5 mi. Job 2202, between LeRoy and Adams, $23,000; 14 mi. Job 2204, between Racine and Sargeant, $37,500. A. C. White, co. engr.

Minn., St. Paul—City plans to pave about 8 blocks Dodd Rd. from Smith Ave. S. to Sidney St. About $27,000. O. Claussen, city engr.

S. D., Aberdeen—Brown Co. (Aberdeen) and Dickey Co., N. D. (Ellendale), plan to grade 20 mi. state line road. About $40,000. G. A. Peppers, Aberdeen, and C. C. Misfeldt, Ellendale, auds.

N. D., Minot — Ward Co. having plans prepared grading road from here on Max Rd. 14 mi. southward and road from Foxholm to point northwest of Carpio, 15 mi. About $58,000. R. W. Kennard, aud.

Tex., Comanche — Comanche Co. having plans prepared grading, gravel surfacing, draining and building bridges on 17.4 mi. State Highway 18, involving 18,330 cu.yd. borrow and 1,086 cu.yd. structural excav., 3,026 cu.yd. 1:2:4 and 486 cu.yd. 1:2½:5 concrete, 92,200 lb. structural and 257,434 lb. reinforcing steel, 36,350 cu.yd. gravel surfacing, etc. About $229,000. L. D. Parks, De Leon, co. engr.

Tex., Glen Rose—Somerville Co. having plans prepared grading, gravel surfacing and draining 9.1 mi. State Highway 25 from county line to Milan Farm, 16 ft. wide. About $74,000. Burks, Firmin & Hart, co. engrs.

Tex., Highland Park (Dallas P. O.)—City voted $100,000 bonds to pave and construct bridgees on St. Johns Drive, Euclid, Abbot, Crescent and Cowper Aves. G. D. Fairtrace, Dallas, engr.

Tex., Lufkin—Angelina Co. election Aug. 20 to vote on $1,450,000 bonds to gravel surface and build bridges and culverts on about 175 mi. state highways and lateral county roads. L. Acker, Nacogdoches, co. engr.

Tex., Quitman—Wood Co. having plans prepared grading, gravel surfacing and draining 4.43 mi. Highway 15 from Mineola to Smith Co. line, involving 35,337 cu.yd. borrow, 20,000 cu.yd. earth and 416 cu.yd. foundation excav., 453 cu.yd. concrete, 6,821.6 cu.yd. gravel, 33,634 lb. reinforcing steel, etc. About $83,250. J. E. Blair, Mineola, engr.

Okla., Alva—City soon receives bids for 6,200 sq.yd. brick pavement. Benham & Mullergren, Firestone Bldg., Kansas City, Moo., engrs.

Idaho—State Highway Dept., Boise, and Federal Government plan to grade and partly gravel surface 24.12 mi. Forest Rd. from Noble to Montana State Line, 20 ft. wide, Lincoln Co., involving 121,320 cu.yd.

Streets and Roads (Continued)

earth) and 12,495 cu.yd. rock excav., etc. About $190,640. B. J. Finch, c/o U. S. Bureau of Pub. Roads, Ogden, Utah, engr.

Utah—State Highway Comn., Salt Lake City, plans to grade and gravel surface 30 mi. Post Rd. from Levan to Scipio, 20 ft. wide, Juab Co. About $348,000. B. F. Finch, Ogden, U. S. Dist. Rd. engr.

Utah, Ogden—City plans to improve Sidewalk Dist. 153, involving 108,475 sq.yd. 4 in. sidewalks and 6,500 cu.yd. excav. About $32,800. T. M. Tracy, city engr.

Nevada—State Highway Dept., Carson City, and Federal Government plan to grade and repair trestles and bridges on 15.43 mi. Owens-Indian Springs Ro., Federal Aid Project 41, 16 ft. wide, Clark Co., about $44,000; grade and drain 11.37 mi. Las Vegas-St. Thomas Rd., Federal Aid Project 43, 20 ft. wide, Clark Co., $136,000; 8.35 mi. road from west county line to Vivian, Federal Aid Project 15, 20 ft wide, Elko Co., $60,000; grade 4 mi. Gardnerville-Holbrook Rd. Federal Aid Project 4, 20 ft. wide, Douglas Co., $22,000; gravel 8.52 mi. road from west county line to Battle Mountain, Federal Aid Project 16, 20 ft. wide, Lander Co., $28,000; grade and gravel surface 8.20 mi. Leeteville-Hazen Rd., Federal Aid Project 34, 20 ft. wide, Churchill Co., $121,000; 5 mi. Fallon-Westgate Rd., Federal Aid Project 45, 20 ft. wide, Churchill Co., $55,000; 12.17 mi. Eureka-Hay Ranch Rd., Federal Aid Project 31, 20 ft. wide, Eureka Co., $111,000; 7.04 mi. Yerington-Wilson Rd., Federal Aid Project 33, 20 ft. wide, Lyon Co., $101,000; 22.95 mi. Pancake-Summit-Ellapah Rd., Federal Aid Project 44, 20 ft. wide, White Pine Co., $259,000. B. J. Finch, U. S. Bureau of Pub. Roads, Ogden, Utah, engr.

Cal., San Diego—City soon receives bids paving 17,167 ft. Lytton, Voltaire and Rosecrans Sts., Chatsworth and Catalina Blvds., involving 1,994 lin.ft. concrete curbing, 3,528 sq.ft. oiled gutter, 14,440 cu.yd earth excav. and 14,002 cu.yd. earth embankment. Separate bids on (a) 384,225 sq.ft. asphaltum and stone screenings wearing surface ½ in. thick on 5 in. portland cement concrete base, (b) 1½ in. Warrenite bitulithic wearing surface on 3 in. asphaltic concrete base. F. A. Rhodes, City Hall, engr.

Ont., Hamilton—City having plans prepared paving, curbing and guttering about 8,000 sq.yd. McNab St. from Cannon to Stewart Sts., asphalt on concrete base. About $36,000. E. R. Gray, city engr.

Ont., Ottawa—Dominion Government receives bids early in September repaving Wellington St. from Bank St. west, asphalt. About $62,000. R. C. Wright, Dept. Pub. Wks., engr.

Ont., Stratford—Town had plans prepared grading, concrete curbing and guttering and surfacing Erie St. from St. Patrick to West Gore Sts., bituminous concrete on concrete base, about $33,283; Erie St. from West Gore to Chestnut Sts., bituminous, $17,952; Erie St. from Chestnut St. to city limits, bituminous on concrete base, $6,655; Water St. from Nile to Waterloo Sts., bituminous concrete on concrete base, $8,352; McNab from Grant to Whitlock Sts., $5,821; Folstaff from Downie to Front Sts., $17,275; Britannia from John to Mornington Sts., $16,060. A. B. Manson, Stratford, engr.

BIDS DESIRED

Massachusetts—Until Aug. 16, by Dept. Pub. Wks., Division of Highways, Room 413 State House, Boston, gravel surfacing about 1,525 ft. highway in Rutland; paving about 11,000 ft. in Holden, bituminous macadam. J. N. Cole, comr.

Rhode Island—Until Aug. 24, by State Bd. Pub. Rds., State House, Providence, constructing 4.19 mi. highway beginning at West Kingston station and extending easterly and southeasterly through Kingston village to Rocky Brook; advertised in this issue.

N. Y., New York—Until Aug. 17, by H. Bruckner, pres. Bronx Boro., Municipal Bldg., regulating, grading, setting curb, laying sidewalks, etc., in (1) West 188th St. from University Ave. to Crotona Aqueduct, (2) East 156th St. from Southern Blvd. to Whitlock Ave., (3) East 149th St. from Timpson Pl. to New York, New Haven & Hartford R.R., (4) Ford St. from Webster to Tiebout Aves., (5) Spencer Ave. from West 261st to 263rd Sts.; paving (6) East 170th St. from Clay to Morris Aves., sheet asphalt, from Morris to Grant Aves., bituminous concrete; repaving (7) East 171st St. from Park to Washington Aves., granite block on concrete foundation; building sewers in (8) Pelham Parkway north from Fenton to Bouck Aves., Astor Ave. between Seymour and Bouck Aves., Wilson Ave. between Pelham Parkway North and Waring Ave., Young Ave. between Pelham Parkway North and Waring Ave., Fish Ave. between Pelham Parkway North and Waring Ave.; (9) Osborne Pl. between Burnside Ave. and West 179th St.; protecting with rock fill outlet sewer at (10) White Plains Ave. and East River in connection with the contract for extension of sewer at White Plains Ave. and East River from point about 100 ft. north of bulkhead line to pierhead line.

N. J., Magnolia—Until Aug. 16, by Boro., laying 180,000 sq.ft. concrete sidewalks, involving 10,000 cu.yd. earth excav., etc. J. J. Albertson, Court House, Camden, engr. Noted May 19.

N. J., Somerville—Until Aug. 15, by Boro. paving Doughty Ave., South, Union and Somerset Sts. J. B. Varley, clk.; advertised in this issue.

Pa., Phila.—Until Aug. 16, by F. H. Craven, city dir., paving with asphalt and vitr. brick gutters assessment work on Lawrence St. from Rascomb to Rockland Sts. and Upland St. from 67th to 69th Sts., involving 680 lin. ft. granite concrete curbing, 697 sq.yd. gutter, 4,285 sq.yd. asphalt, 827 sq.yd. concrete, about $25,000; repaving with asphalt vitr. brick gutters, redressed granite block between car tracks on 21st St. from Susquehanna to York Aves., 23rd St. from Parrish to Poplar Sts., 26th St. from Poplar to Girard Aves., 28th St. from Girard to Master Sts., 29th St. from Girard to Oxford Sts., 1,640 sq.yd. vitr. brick, 469 sq.yd. new granite block, 11,956 sq.yd. asphalt, 3,137 cu.yd. concrete base, $52,000; Pearl St. from 54th to 55th Sts., Susquehanna Ave. from 19th to 22nd Sts., 757 sq.yd. vitr. brick, 321 lin. ft. concrete, 1,147 cu.yd. concrete base, 4,700 sq. yd. asphalt, $27,000; Lehigh Ave. from 29th to 33rd Sts., 716 sq.yd. vitr. brick, 3,033 sq.yd. redressed granite block, 6,397 sq.yd. asphalt, 321 lin. ft. granite concrete curbing, 2,022 cu.yd. concrete base, $52,000; 17th St. from Porter to Shunk Sts., Porter from 16th to 17th Sts. Chadwick St. from Tasker to Mifflin Sts., 853 sq.yd. vitr. brick, 81 sq.yd. new granite block, 4,906 sq.yd. asphalt, 500 lin. ft. granite concrete curbing, 957 cu.yd. concrete base, $32,000; Carpenter St. from 22nd St. to Grays Ferry Ave., 24th St. from Christian to Kimball Sts., 22nd St. from Fitzwater to Washington Sts., 1,409 sq.yd. vitr. bric, 275 sq.yd. new granite block, 9,246 sq.yd. asphalt, 1,909 cu.yd. concrete base, $44,000; Chetten Ave. from Limekiln Pike to Wester Ave., 550 sq.yd. vitr. brick, 2,018 sq.yd. redressed granite block, 3,181 sq.yd. asphalt, 900 cu.yd. concrete base, 480 cu. yd. concrete curbing, $30,000; repaving with redress granite brick 2nd St. from South to Wharton Sts., 10,000 sq.yd. granite block redress, 1,890 cu.yd. concrete base, $40,000; 15th St. from Indiana Ave. to Pike St., 13,300 sq.yd. granite block redress, 2,414 cu.yd. concrete base, $54,000; Sansom St. from Broad to 18th St. and 9th St. from Chestnut to Spruce Sts., 8,200 sq.yd. redressed granite block, 1,320 cu.yd. concrete base, $25,000; Lombard St. from Broad to 27th Sts., 12,800 sq.yd. redressed granite block, 2,220 cu.yd. concrete base, $48,000; Lombard St. from Delaware to Broad Sts., 17,700 sq.yd. redressed granite block, 3,100 sq.yd. concrete base, $70,000; Girard Ave. from Lancaster to 54th Sts., 12,480 sq.yd. redressed granite block, 2,330 cu.yd. concrete base, $60,000; Frankford Ave. from Kensington to Church Aves. and Kensington Ave. from Frankford Ave. to Frankford Creek, 7,780 sq.yd. redressed granite block and 1,350 cu.yd. concrete base, $25,000; Frankford Ave. from Wakeling to Bridge Sts., 7,100 sq.yd. redressed granite block, 800 lin. ft. 6 in. vitr. clay pipe, 412 lin. ft. granite curbing and 1,300 cu. yd. concrete base, $33,000; Girard Ave. from Broad to South College Aves., South College Ave. from Girard to Poplar Sts., Poplar St. from South College to West College Aves., West College Ave. from Poplar St. to Girard Ave. and Girard Ave. from West College Ave to east end of Girard Ave. bridge, 1,464 sq.yd. granite block, and 3,497 cu.yd. concrete base, $56,000; Columbia Ave. from 23rd to 33rd Sts., 788 sq.yd. granite block and 1,880 cu.yd. concrete base $35,000. D. Dunlap, City Hall, engr.

D. C., Wash.—Until Aug. 22, by Dist. Comrs., 509 Dist. Bldg., grading various streets. C. H. Rudolph, comr.; advertised in this issue.

North Carolina—Until Aug. 22, by State Highway Dept., at div. office, Elkin, grading, draining and surfacing 7.16 mi. State Project 543, Stokes Co., involving 8 acres clearing and grubbing, 40,000 cu.yd. common and 5,900 cu.yd. rock excav., 1,632 ft. 15-18 in. concrete pipe, 18,925 cu.yd. top soil, 39 cu.yd. Class "A" and 100 cu.yd. Class "B" concrete, and 2,890 lb. reinforcing steel, etc., about $35,000; 3.14 mi. State Project 527, Ashe Co., involving 13,300 cu. yd. common and 1,650 cu.yd. rock excav., 842 ft. 15-30 ft. corrugated metal pipe, 33,170 sq.yd. concrete or asphaltic pavement, 214 cu.yd. Class "A" and 86 cu.yd. Class "B" concrete, and 16,530 lb. reinforcing steel, etc., about $106,000. C. M. Upham, Raleigh, state highway engr.

North Carolina—Until Aug. 23, by State Highway Dept., at div. office, Marion, grading, draining and surfacing 4.97 mi. State Project 505, Mitchell Co., involving 21,400 cu.yd. common and 6,000 cu.yd. rock excav., 2,320 ft. 18-30 in. corrugated metal pipe, 211 cu.yd. Class "B" concrete, and 26,200 sq.yd. concrete or asphaltic pavement, etc., about $135,000; 6.55 mi. State Project 547, Rutherford Co., involving 37,700 cu.yd. common and 15,200 cu.yd. rock excav., 15,400 cu.yd. top soil, 69 cu.yd. Class "A" and 41 cu.yd. Class "C" concrete, 5,20 cu. yd. rubble masonry, 8,330 lb. reinforcing steel, etc., $50,000; 7.2 mi. State Project 571, McDowell Co., involving 5 acres clearing and grubbing, 80,000 cu.yd. common and 3,300 cu.yd. rock excav., 1,530 ft. 18-24 in. corrugated metal pipe, 16,650 cu.yd. top soil surfacing, 141 cu.yd. rubble masonry, etc., $55,000; 10.05 mi. State Project 572, McDowell Co., involving 24 acres clearing and grubbing, 159,100 cu.yd. common and 105,400 cu.yd. rock excav., 6,608 ft. 18-30 in. corrugated metal pipe, 23,420 cu.yd. top soil, 400 cu.yd. rubble masonry, 776 cu. yd. Class "A" concrete, 82,390 lb. reinforcing steel, etc., $275,000. C. M. Upham, Raleigh, state highway engr.

Louisiana—Until Aug. 22, by State Highway Dept., Maison Blanche Annex, New Orleans, building 22.36 mi. Opelousas-Marksville Highway in St. Landry Parish. D. Buie, ch. engr.

Tenn., Maryaville—Until Aug. 19, by Good Rds. Comrs. Blount Co., grading approximately 23 mi. road and paving 34 mi. with macadam, chert and gravel. A. M. Walker, secy.

Kentucky—Until Aug. 23, by State Highway Comn., Old Capitol Bldg., Frankfort, bituminous surfacing and covering with stone chips of pea gravel 1 mi. Grayson-Boyd Co. Rd., from Boyd Co. line extending west, State Project 47. Sect. O, State Primary System in Carter Co.; .35 mi. Main St. in Williamsburg, Whitley Co., Federal Aid Project 23, Sect. A, State Project 35, 4.5 mi. Cairville and Grants Lick Rd., beginning at Grant Lick north in Campbell Co., State Project 21, Sect. A, State Primary System of Campbell Co. 11.6 mi. Cynthiana Falmouth Rd., State Project 21, Sect. D and E, on State Primary System, Harrison and Pendleton Counties; shaping draining and surfacing with rock asphalt or bituminous concrete topeka mix or rein.-con., 9.6 mi. Winchester-Mt. Sterling Rd., Sta. O plus 00 to Sta. 506 plus 52.8, State Project 47, Sect. A, State Primary System, Federal Aid Project 63, Clark Co., 4.5 mi. Louisville-Bardstown Rd., Sta. 238 plus 00 to Sta. 474 plus 00, State Project 3, Sect. A, State Primary System, Federal Aid Project 50, Jefferson Co.; shaping, draining, and surfacing with rock asphalt, bituminous macadam, penetration type, or rein.-con. or bituminous concrete, topeka mix, 7 mi. Richmond-Lexington Rd., Sta. 0 plus 00 to Sta. 368 plus 60, State Project 5, Sect. A State Primary System, Federal Aid Project 49, Madison Co. J. S. Boggs state highway engr.

Ohio—Until Aug. 19, by Dept. Highways and Pub. Wks., Columbus, constructing culverts and paving roads in following counties:

Crawford Co., Sect. "K" I.C.H. No. 4, 2.034 mi., brick (state to furnish brick), $77,013, or contractor to furnish brick, $106,226; same paving with monolithic brick (state to furnish brick), $70,608, or contractor to furnish brick, $105,001.

Geauga Co., Sect. "A" I.C.H. No. 475, 2.18 mi., concrete, $59,305.

Jefferson Co., Sect. "H-3" I.C.H. No. 26, 1.044 mi., brick, $61,803.

Lucas Co., Sect. "H-3" I.C.H. No. 20, 2.15 mi., concrete, $77,304.

Mahoning Co., Sect. "D" I.C.H. No. 502, 3.15 mi. plain concrete, $116,908.

Medina Co., Sect. "North" I.C.H. No. 25, 0.32 mi., monolithic brick, $28,244.

Sect. "Seville" I.C.H. No. 25, 0.41 mi., brick, $39,278.

Streets and Roads (Continued)

Sect. "S" I.C.H. No. 25, 3.265 mi., concrete. $128,061.
Sect. "South" I.C.H. No. 25, 0.347 mi., concrete, $13,790.
Vinton Co., Sect. "F" I.C.H. No. 396, 0.31 mi., bituminous macadam (T-1), $6,470.
Wayne Co., Sect. "C" I.C.H. No. 342, 1.42 mi., brick, $62,228, or state to furnish brick $47,506, or concrete, $62,885.
Williams Co., Sect. "G-1" I.C.H. No. 31, 4.09 mi., bituminous macadam, $168,789.
L. C. Herrick, dir. highways.

Mich., Baldwin—Until Aug. 18, by State Highway Dept., at office Bd. Rd. Comrs. Lake Co., grading, draining and surfacing 5.063 mi. State Trunk Line Rd. 63-3, involving 14,607 cu.yd. excav., 47,453 sq.yd. base course gravel, etc. F. F. Rodgers, Lansing, state highway comr.

Mich., Bellaire—Until Aug. 17, by State Highway Dept., at office Bd. Rd. Comrs. Antrim Co., grading, draining and surfacing 1.979 mi. State Trunk Line Rd. 13-27, Sect. B, involving 4,385 cu.yd. excav., 18, 580 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Constantine—Until Aug. 19, by State Highway Dept., at office Village Clerk Constantine, grading, draining and surfacing 1.031 mi. State Trunk Line Rd. 13-10, Sect. B, St. Joseph Co., involving 5.035 cu.yd. excav., 11,951 sq.yd. concrete on bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Mich., Crystal Falls—Until Aug. 15, by State Highway Dept., at office Bd. Rd. Comrs. Iron Co., grading, draining and surfacing 1.413 mi. State Trunk Line Rd. 12-34, involving 6,639 cu.yd. excav., 15,631 sq.yd. concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Mich., Eagle River—Until Aug. 22, by State Highway Dept., at office Bd. Rd. Comrs. Keweenaw Co., grading, draining and suracing 4.635 mi. State Trunk Line Rd. 15-8, involving 40,973 sq.yd. waterbound macadam, base course. F. F. Rodgers, Lansing, state highway comr.

Mich., Petoskey—Until Aug. 17, by State Highway Dept., at office Bd. Rd. Comrs. Emmet Co. (Petoskey), grading, draining and surfacing 15.47 mi. Federal Aid Project 60, gravel, in Emmet and Sheboygan Counties. F. F. Rodgers, Lansing, state highway comr.

Mich., Sturgis—Until Aug. 19, by State Highway Dept., at office City Clerk, Sturgis, grading and surfacing 1.622 mi. State Trunk Line Rd. 23-4, Sect. B, St. Joseph Co., involving 85.6 sta. grading, 17,125 sq. yd. concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Ill., Lanark—Until Aug. 16, by city, c/o City Clerk, paving various streets, brick on concrete base. About $25,000. C. S. Hopner, Freeport, engr.

Wis., Shawano—Until Aug. 17, by city, paving, Pinic, Franklin and Green Bay Sts., involving 15,610 sq.yd. rein.-con., sheet asphalt or vitr. brick, 9,425 lin.ft. curb and gutter and 5,213 cu.yd. excav. L. P. Pelishek, Clintonville, engr. Noted July 28.

Minn., Fairmont—Until Sept. 1, by Martin Co., gravel surfacing 10 mi. State Rd. 3, between here and north line Martin Co., Federal Aid Projects 72 and 196, involving 12,360 cu.yd. gravel. About $25,000. C. N. Krosch, Fairmont, engr.

S. D., Watertown—Until Aug. 22 (change of date), by city, paving about 11 blocks. About $35,000. W. T. Cochrane, city engr. Noted July 21.

Montana—Until Aug. 15, by State Highway Dept., Helena, grading, etc., 20 mi. Skalkaho Rd., between Anaconda and Hamilton. About $100,000.

Mo., Trenton—Until Aug. 17, by City Council, paving 10 blocks Ridgeway Ave. and Debolt St., bituminous macadam with concrete curbs and gutters. Former bids rejected. C. R. Winks, city engr. Noted May 12.

Ark., Camden—Until Aug. 24, by Bd. Comrs. of Camden Paving Dist. 1 and Camden Curb and Gutter Dist. 1, City Hall, for grading, building storm sewers, concrete gutters and curbs, and paving various streets. E. F. Petersen, Texarkana, engr; advertised in this issue.

Tex., Comanche—Until Aug. 15, by Comanche Co., grading, gravel surfacing and draining 17.43 mi. State Highway No. 18, involving 33.2 acres clearing, 24.2 acres grubbing, 18,331 cu.yd. borrow, 1,362.7 cu. yd. Class A and 161.3 cu.yd. Class B concrete, 103,837 lb. reinforcing steel, 36,354 cu.yd. gravel surfacing, 40,163 cu.yd. earth and 634 cu.yd. solid rock excav. About $180,000. L. D. Parks, City Hall, DeLeon, co. engr.

Tex., Comanche—Until Aug. 15, by F. J. Reese, judge Comanche Co., grading, gravel surfacing and draining 8.03 mi. State Highway 22. About $82,700. L. D. Parks, City Hall, DeLeon, co engr. Noted Aug. 4.

Tex., San Augustine—Until Aug. 18, by W. K. Knight, judge, San Augustine Co., grading, gravel surfacing and draining 20.97 mi. State Highway 21, involving 32,756 cu.yd. gravel surfacing, 260,860 lb. structural and 154,101 lb. reinforcing steel, 134,158 cu.yd. roadway, 14,476 cu.yd. rock and 2,757 cu.yd. structural excav., 1,973.7 cu.yd. 1:2:4 and 87.5 cu.yd. 1:2½:5 concrete, etc. Cost $279,047. Former bids rejected. W. A. French, co. engr. Noted July 14.

Okla., Ada—Until Aug. 18, by City Clerk, paving 9,000 yd. Townsend St. from 12th to 20th Sts., Dist. 6, concrete. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., engrs.

Col., Denver City—Until Aug. 19, by City Council, grading, curbing, asphalt paving and building sewers in 7 blocks Broadway Paving Dist. 5. About $111,000.

Ontario—Until Aug. 25, by W. A. McLean, deputy minister of highways, Parliament Bldgs., Toronto, building ½ mi. macadam base, 20 ft wide, Contr. 464; building concrete culverts in Mononghan and Cavan Twps., Contr. 463, involving about 1,000 cu. yd. concrete, 2,000 cu.yd. excav., (cement and steel supplied by owner). About $35,000. G. Hogarth, Parliament Bldg., Toronto, ch. engr.

Ont., Wingham—Until Aug. 15, by W. A. Golbraith, town clk., concrete paving 10,000 sq.yd. streets. About $35,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Maine**—State Highway Dept., Augusta, let contract paving 3.59 mi. state highway in Bangor and Veazie, 18 ft. wide, concrete, to Frissell Eng. Co., Gardner, Mass., $64,483; 3.1 mi. in Turner and Livermore, 18 ft. wide, gravel, to J. H. Kerr, Rumford, $53,876. Noted July 28.

★**New Hampshire**—State Highway Dept., Concord, let contract paving section state highway in Keene, 18 ft. wide, concrete, to Portland Constr. Co., Portland, Me., $33,855. Noted July 28.

N. Y., Brooklyn—E. Riegelmann, boro. pres. Boro. Hall, opened bids Aug. 3, regulating and paving (1) Benson Ave. from 17th to 18th Aves., (2) East 15th St. from Ave. J to Ave. K, (3) Sutter Ave. from Ilford to Logan Sts., (4) 36th St. from Teehama to Louisa Sts., (5) 39th St. from 13th to 14th Avés., (6) Kingston Ave. from President to Montgomery Sts., permanent asphalt on 6 in. concrete foundation; regulating and resurfacing (7) Kings Highway from Bay Parkway to Coney Island Ave. and from East 16th St. to Ocean Ave., bituminous macadam; regulating and grading, etc., (8) Terrace Pl. from Gravesend to Prospect Aves. and 19th St. from 10th Ave. to Seeley St., (9) West 35th St. from Neptune Ave. to point about 600 feet north of Canal Ave., (10) West 36th St. from Canal Ave. to bulkhead line of Gravesend Bay, (11) 39th St. from 13th to 14th Aves., (12) 77th St. from 20th to 21st Aves., (13) 20th Ave. from 75th to 76th Sts., etc.; recurbing and relaying sidewalks on (14) 84th St. from 23d to 24th Aves.; regulating and regrading (15) 84th St. from 23d to 24th Aves., from

Uvalde Asphalt Paving Co., 1 Bway., New York City, (1) $12,058, (2) $10,352, (4) $9,286, (5) $11,547, (6) $13,881.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (1) $12,377, (2) $10,538, (3) $3,436, (5) $11,585, (6) $13,683.

Cranford Co., 52 9th St., (1) $12,068, (2) $10,270, (3) $3,611, (4) $9,214, (5) $11,892, (6) $14,790.

Murphy Bros., 8856 26th Ave., (7) $23,878.

C. Gallagher, 745 Dean St., (7) $24,006.

E. Monahan, 1921 Morris Ave., New York City, (7) $27,598.

Borough Asphalt Paving Co., 1301 Metropolitan Ave., (3) $3,504, (4) $9,952.

Casalino Contg. Co., Inc., 217 Havemeyer St., (8) $29,787.

M. I. Sachs, 246 South 9th St., (8) $31,843.

Castle Bros., Johnson Pl., (8) $32,823, (9) $9,024.

Trembers, Inc., (9) $8,689, (10) $7,065.

B. Turecamo Contg. Co., Inc., 8706 Bay 12th St., (9) $8,910, (10) $6,600, (14) $3,111, (15) $1,729.

J. J. Guinan Contg. Co., 2314 Gravesend Ave., (10) $6,946.

Simonelli & Son, Inc., 28 Conselyea St., (11) $4,020, (12) $2,967, (13) $1,622, (14) $3,403.

Harrison & Burnhardt, (11) $4,804, (15) $1,724.

P. Carbone, 95 Bay 25th St., (12) $2,895, (14) $3,226.

L. Mangieri, (12) $2,911.

G. M. Mandato, 139 29th St., (15) $1,492.

T. Burke, (13) $1,578, (14) $3,261.

N. Y., New York—H. Bruckner, pres. Bronx Boro., Municipal Bldg., opened bids Aug. 3, paving and improving (1) central drive of Grand Blvd. and Concourse from East 161st St. to Fordham Rd., etc., (2) central drive of Grand Blvd. and Concourse from East 161st St. to Fordham Rd. with an approach thereto just north of Fordham Rd., etc., (3) central drive of Grand Blvd and Concourse from East 161st St. to Fordham Rd. with an approach thereto just north of Fordham Rd. for traffic diversion and Sect. 3 from Burnside Ave. to Fordham Rd. with an approach thereto just north of Fordham Rd., from J. E. Gaffney, 438 East 91st St., (1) $124,933, (2) $149,768, (3) $110,422; C. D. Beckwith, 301 West 108th St., (1) $144,527, (2) $172,681, (3) $124,185; J. Kearns, Jr., (1) $130,497, (2) $153,300, (3) $110,573.

★**N. J., Mt. Holly**—Burlington Co. let contract paving Mt. Holly Burlington Rd. sheet asphalt, to Union Paving Co., 36th and Locust Sts., Phila., $323,992. Noted July 14.

★**N. J., Salem**—Salem Co. let contract rein.-con. paving 47,146 sq.yd. Woodstown-Salem Rd., Route 6, Sect. 7, to M. Staub, Sweedsboro, $166,637. Noted July 28.

★**N. J., Trenton**—Mercer Co. let contract paving Princeton Ave. from Spruce St. to Harneys Corner to Ross & Whalen, Broad St. Bank, $33,085. Noted July 21.

★**Pa., Phila.**—City let contract building concrete road from state road through grounds of Home for Indigent, to Holmesburg Concrete Co., Holmesburg (Phila. P. O.). About $42,500.

Pennsylvania—State Highway Dept., Harrisburg, received bids Aug. 5, building Route 228, 22,402 ft. one course rein.-con., Penn Twp., Allegheny Co., from McCrady Bros. Co., 308 6th St., Braddock, $202,716; S. Gamble Co., Glass St., Carnegie, $224,782; M. O'Herron Co., 1st and McKean Sts., Pittsburgh, $225,645.

Route 156, 22,395 ft. one course rein.-con., Nockamixon and Durham Twps., Bucks Co., from Pecono Eng. & Contg Corp., 1170 Bway., New York City, $293,194; Cranford Paving Co., 2620 East St. N. W., Wash., D. C., $308,815; Comerford Constr. Co., 125 South 5th St., Phila., $312,471.

Route 73, 2,557 ft. one course rein.-con., Slippery Rock Boro., Butler Co., from N. J. Boyer, Slippery Rock, $49,671; Brackenridge Sand & Gravel Co., Brackenridge, $52,105; Sampson & Taylor, Slippery Rock, $53,393.

Route 276, 6,275 ft. one course rein.-con., Croyle Twp., South Fork and Summerhill Boros., Cambria Co., from Trevorrow-Crissey Constr. Co., 15 Darby St., Johnstown, $98,452; J. L. Elder, Ebensburg, $102,003; G. I. Thompson Co., Clearfield, $108,894.

Application 1460, 25,773 ft. one course rein.-con., Mohoning Twp., Carbon Co., from G. H. Hardner, Lentz Blvd., Allentown, $188,188; Peconco Eng. & Contg Corp., 1170 Bway., New York City, $197,718; Souder Constr. Co., 349 Woolworth Bldg., Lancaster, $200,560.

Application 1461, 18,964 ft. one course rein.-con., Lower Towamensing and Towamensing Twps., Carbon Co., from Peconco Eng. & Contg. Co., 1170 Bway., New York City, $175,681; Juniata Co., Empire Bldg. Phila., $183,492; F. T. Ley & Co., Inc., 495 Main St., Springfield, Mass., $202,304.

Route 107, 5,804 ft. one course rein.-con., Phillipsburg Boro., Centre Co., from G. I. Thompson Co., Clearfield, $69,149; Gregory Paving Co., 426 Electric Ave., Lewistown, $77,804; Burnside Constr. Co., Burnside, $78,297.

Route 142, 21,993 ft. one course rein.-con., East Whiteland, Willistown and Tredyffrin Twps., Chester Co., from Peconco Eng. & Contg. Corp., 1170 Bway., New York City, $194,099; J. McKelley Contg. Co., 507 Federal St., Camden, N. J., $197,326; Souder Constr. Co., Inc., 349 Woolworth Bldg., Lancaster, $201,171.

Route 82, 24,787 ft. either bituminous surface course on concrete foundation or one course rein.-con., West Fallowfield Twp., Crawford Co., from S. Gamble, Glass St., Carnegie, $243,103; Dale Eng. Co., Mann Bldg., Utica, N. Y. (Spec. A), $245,133; McCrady Bros. Co., 308 6th St., Braddock, $248,974.

Route 82, 18,161 ft. either bituminous surface course on concrete or one course rein.-con., Sadsbury and Vernon Twps., Crawford Co., from A. W. Hinaman, Freedom, $161,283; Dale Eng. Co., Mann Bldg., Utica, N. Y. (Spec. A), $164,793; J. C. Devine Co., Alliance, O., $169,772.

Streets and Roads (Continued)

Route 139, 4,602 ft. either bituminous surface course on concrete foundation or one course rein.-con., Derry Twp., Dauphin Co., from Comerford Constr. Co., 125 South 5th St., Phila., $53,867; Bennett & Randall, Lebanon, $56,191; Newmeyer Bros., 1416 East 4th St., Bethlehem, $58,481.

Route 97, 3,934 ft. one course rein.-con., Ridgway Twp., Johnsonburg Boro., Elk Co. from J. B. Gaqua, Johnsonburg, $40,640; Johnson & Kearns, Du Bois, $41,754; Burnside Constr. Co., Clearfield, $42,287.

Route 304, 13,278 ft. either bituminous surface course on concrete foundation or one course rein.-con., Smethport Constr. Co., Colegrove, $126,519; Summit Constr. Co., Medford Blk., Akron, O., $18,778; J. C. Devine Co., Alliance, O., $129,314.

Application 1467, 13,625 ft. either bituminous surface course on concrete foundation or one course rein.-con., Harbor Creek Twp., Erie Co., from Dale Eng. Co., Mann Bldg., Utica, N. Y. (Spec. A), $115,050; C. H. Fry Constr. Co., 609 West 19th St., Erie, $115,126; J. Roth (Good Roads Constr. Co.), P. O. Box 524, Erie, $116,972.

Route 64, 1,684 ft. vitr. brick, Brookville Boro., Jefferson Co., from L. H. Hileman Constr. Co., 217 First Natl. Bank, New Kensington, $30,410; Rinehart Bros., Corsica, $35,017; Matson Bros., Brookville, $35,224.

Route 322, Application 925, 5,457 ft. one course rein.-con., from M. Rosato & Son Co., 1145 Sloan Ave., Scranton, $44,185; Neumyer Bros., 1416 East 4th St., Bethlehem, $51,889; McInerney & McNeal, Inc., 702 Northampton Natl. Bank Bldg., Easton, $61,719.

Route 265, 3,500 ft. one course rein.-con., and Hillside vitr. brick, North Beaver Twp., Lawrence Co., from J. B. Reed Co., 550 Bway., McKees Rocks, $60,653; M. J. Scanlon, 16 Cherry St., New Castle, $61,967; J. C. Devine Co., Alliance, O., $63,422.

Routes 11 and 177, 7,210 ft. one course rein.-con., Dallas Boro., Luzerne Co., from Neumyer Bros., 1416 East 4th St., Bethlehem, $77,613; D. W. Davis & Sons, 86 Dorrance St., Kingston, $86,818; Trinidad Asphalt Paving Co., Larksville, $87,305.

Route 240, 17,495 ft. one course rein.-con., Clinton Twp., Lycoming Co., from Juniata Co., Empire Bldg., Phila., $141,008; Comerford Constr. Co., 125 South 5th St., Phila., $145,823; F. G. Fowler Constr. Co., Mt. Kisco, N. Y., $149,991.

Route 82, 1,533 ft. one course rein.-con., Mercer Boro., Mercer Co., from Brackenridge Sand & Gravel Co., Brackenridge, $15,382.

Route 182, 6,045 ft. one course concrete Ralpho Twp., Northumberland Co., from Kumer & Graeber, Shamokin, $66,857; R. C. Fiss & J. Christiano, Shamokin Dam, $66,228; G. W. Rockwell, Sunbury, $69,771.

Route 290, 825 ft. bituminous course on concrete foundation and vitr. brick, Shenandoah Boro., Schuylkill Co., from Gillespie & Franklin, 906 Crozer Bldg., Phila., $40,949.

Route 17, 17,930 ft. one course concrete, Cherry Twp., Dushorem Borro., Sullivan Co., from Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., $230,956; Warren Bros. Co., 9 Cambridge St., Boston, Mass., $250,083; Atlanta Constr. Co., Atlanta, N. Y., $251,531.

Route 268, 4,425 ft. one course rein.-con., Allen Twp., Stockdale Boro., Washington Co., from Corrado & Galiardi, Colonial Natl. Bank Bldg., Connellsville, $62,223; McCrady Bros. Co., 308 6th St., Braddock, $71,780; Carey Campbell & Co., 96 Wall St., New York City, $73,008.

Route 268, 9,480 ft. one course rein.-con. and Hillside vitr. brick, East Bethlehem Twp., Washington Co., from Kavanaugh De Niro Constr. Co., 407 Mahoning Bank Bldg., Youngstown, O., $56,598; Burgess & Dorrier, Scottsville, Va., $60,427; Petriello Bros. & Co., Snowden Bldg., Brownsville, $61,151.

Application 965, 21,006 ft. one course rein.-con., Derry Twp., Westmoreland Co., from J. B. Reed Co., 550 Bway., McKees Rocks, $182,694; A. W. Hinaman, Freedom, $208,848; McCrady Bros. Co., 308 6th St., Braddock, $214,036.

Route 187, 14,071 ft. one course rein.-con. and Hillside vitr. brick, Franklin Twp., New Salem Boro., Westmoreland Co., from J. C. Devine Co., Alliance, O., $172,791; Warren Bros. Co., 9 Cambridge St., Boston, Mass., $177,225; Burgess & Dorrirer, Scottsville, Va., $177,648. Noted July 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Aug. 5, grading, building bridges and culverts and paving roads in following counties:

Butler Co., Sect. "D" Hamilton-Middletown Rd., 4.15 mi., sheet asphalt on waterbound macadam base, from John W. Hennessey, Piqua., $105,718; Drake, Aller & Sheridan, Worthington, $112,001; Andrews Asphalt Co., Rentschler Bldg., Hamilton, $116,918.

Sect. "A-1" Eaton-Middletown Rd., 1.192 mi., Connell, Laub & Brach, Dayton, brick, $45,622; Brunson & Van Horn, Madera, brick, $47,958; R. H. Shafer, Columbus, brick, $59,878, bituminous macadam, $41,074; Ada Constr. Co., Ada, bituminous macadam, $40,812; C. A. Baker Co., Columbus, bituminous macadam, $42,520.

Sect. "B-1" Eaton-Middletown Rd., 2.527 mi., Connell, Laub & Brach, Dayton, brick, $130,861, bituminous macadam, $114,836; R. C. Pickelheimer, Newtonville, brick, $134,562; R. H. Shafer, Columbus, brick, $156,115, bituminous macadam, $115,285; J. S. Sloan, Norwood, bituminous macadam, $119,379.

Marion Co., Sect. "I-1" Marion-Marysville Rd., 1.49 mi., extra base for waterbound macadam, Cansty-Freedman Co., Youngstown, $8,808; Drake, Aller & Sheridan, Worthington, $8,878; Scioto Constr. Co., Kenton, $8,888.

Stark Co., Sect. "F" & "Wilmot" Naravve-Berlin Rd., 0.93 mi., brick, Glen Hodley, Canton, $44,737; W. E. Burke & Son, Akron, $46,002; Elmer Vogt, Millersburg, $47,212; (same state to furnish brick). Glen Hodley, Canton, $34,727; W. E. Burke & Son, Akron, $36,782; Holmes Constr. Co., Millersburg, $36,817.

Trumbull Co., Sect. "I" Warren-Sharon Rd., 1.51 mi., brick, Barber-Fortin Co., Warren, $73,345; James DeJute, Niles, $79,782; Cavanaugh De Niro Co., Youngstown, $80,958 (same state to furnish brick). Barber-Fortin Co., Warren, $54,700; James DeJute, Niles, $60,634; G. B. Patterson, Wellsville, $63,427. Noted July 28.

★**Virginia**—State Highway Dept., Richmond, received bids clearing, grubbing, grading, paving and draining (1) 7.03 mi. road between Clifford and Colleen, 12 ft. wide, waterbound and bituminous macadam, Federal Aid Project 96, Amherst and Nelson Counties; (2) 3.29 mi. between Woods Crossing and Ivy, bituminous macadam, Federal Aid Project 115, Albermarle Co.; (3) 6.31 mi. between Sebrell and Courtland, 15 ft. wide, concrete, Federal Aid Project 121, Southampton Co.; 4.79 mi. between Sebrell and Sussex Co. line, 15 ft. wide, concrete, Federal Aid Project 114, Southampton Co.; paving, surfacing and draining (5) 6.71 mi. between Salem and Catawba, 12 ft. wide, 8 in. penetration macadam, Federal Aid Project 110, Roanoke Co.; (6) 12.16 mi. between Charlottesville and Cobham, 16 ft. wide, bituminous macadam, Federal Aid Project 105, Albermarle Co.; (7) 7.38 mi. between Healing Springs and Falling Springs, waterbound and bituminous macadam, Federal Aid Project 101, Alleghany and Bath Counties; (8) 7.65 mi. from Henry Co. line to Sydnorsville, 20 ft. wide, soil, Federal Aid Project 90, Franklin Co.; from Battershill & Goode, Virgilina, (1) $126,067, (8) $42,815; W. T. Jones, 212 10th St., Lynchburg, (1) $148,393; A. W. McClay, 2400 Grove Ave., Richmond, (1) $151,120; C. B. Luck & Sons, Richmond, (2) $96,227, (6) $378,101; Ellis-Brook Co., Staunton, (2) $100,161; Allport Constr. Co., Richmond, (2) $95,454, (3) $164,848, (4) $115,971, (6) $378,027; Perkinson & Finn., Petersburg, (4) $125,795; F. B. Walker, Richmond, (4) $128,513; Vaughan & Draper, Roanoke, (5) $150,881; H. H. George, Meadow and Marshall Sts., Richmond, (6) $357,313; Carpenter-Major Bros. Co., Covington, (7) $169,561; Porter & Peck, Greenville, (8) $41,799; Jamison Bros., Rustburg, (8) $42,172

★**North Carolina**—State Highway Comn., at Div. Office, Charlotte, let contract grading, reshaping and scarifying 2.28 mi. road, State Aid Project 591, to Redmon Constr. Co., Monroe, $59,420. Noted July 28.

★**North Carolina**—State Highway Dept., at div. office, Kinston, let contract clearing, grubbing, draining, grading and paving 2.65 mi. State Project 516, Craven Co., to Eagle Eng. Co., Newbern, $105,080. Noted July 28.

★**Fla., Bartow**—Polk Co. let contract paving 28 mi. road from Lakeland to Lake Co., etc., sheet asphalt on rock base, to McDonald Constr. Co., c/o Stiddam & Hughes, Lakeland, $.65 per yd. for rock, $1.80 for asphalt.

Fla., Mt. Dora—Town received bids paving 4 mi. road, 9-16 ft. wide, 3 in. asphalt surface on sand base, 6 x 12 in. concrete curb, from E. H. Trebes, Tampa, $1.46 per sq.yd., Stiddam & Hughes, Lakeland, $1.55. Noted July 28.

Alabama—State Highway Dept., Montgomery opened bids Aug. 2, grading, draining and surfacing (1) 4.767 mi. road from Lanett to Fairfax, Chambers Co., loose gravel, (2) 10.765 mi. road from Greenville to Lowndes Co. line, Butler Co., sandclay, (3) 20.62 mi. road from Uriah to Monroeville, Monroe Co., loose gravel, from Gardiner & Crawford, Columbus, Ga., (1) $16,214, (3) $33,585; J. Gwin Hamilton Sta., Birmingham, (1) $17,083, (3) $34,533; Moore & Patterson, La Grange, Ga., (1) $18,456; L. C. Rawlinson, Montgomery, (2) $36,377 (3) $31,039; J. F. Giddens & Son, Troy, (2) $37,253; J. W. Stapp Constr. Co., Rome, Ga., (2) $41,061. Noted July 7.

★**Kentucky**—State Highway Dept., Old Capitol Bldg., Frankfort, let contract shaping and draining 6.2 mi. Somerset-Stanford Rd., Pulaski and Lincoln Counties, to W. Lutes & Co., Lexington, $105,834; shaping draining and surfacing with rock asphalt, 1.4 mi. road from east to southwest corporate limits of Scottsville, Allen Co., to Speed Parker, Inc., Speed Bldg., Louisville, $57,560; surface treating roads in Nelson, Rockcastle, Warren, Bourbon and Woodford Counties, to R. B. Tyler 114 South 4th St., Louisville, $29,071; Anderson and Garrard Counties, to Eaton Oil Wks., Covington, $7,482; Madison Co., to Southern Oil & Tar Co., Louisville, $10,252. Noted July 21.

★**Ohio**—State Highway Comn., Columbus, let contracts building roads in the following counties:

Holmes Co., Sect. "K" Mansfield-Millersburg Rd., 2.178 mi. grading and paving with plain concrete, to Ritter, Zanesville, $49,814.

Ottawa Co., Sect. "B-2" & "Port Clinton" Port Clinton-Bowling Green Rd., 0.875 mi. grading, constructing drainage structures and paving with plain concrete, to E. A. Freshwater, Painesville, $41,880.

Seneca Co., Sect. "O" Findlay-Tiffin Rd., 1.044 mi. grading, constructing drainage structures and paving with bituminous macadam, to W. H. and H. A. Souder, Fostoria, $30,874.

Seneca Co., Sect. "I" Tiffin-Republic Rd., 1.009 mi. grading, constructing drainage structures and paving with bituminous macadam, to R. H. Myers, Attica $29,090.

Tuscarawas Co., Sect. "M" Newcomerstown-Uhrichsville Rd., 3.342 mi. grading, constructing bridges and culverts and paving with bituminous macadam (A-1), to L. W. Russell, West Austintown, $103,638.

Wood Co., Sect. "A" Bowling Green-Port Clinton Rd., 2.57 mi. resurfacing with bituminous mcadam ,to Finch Eng. Co., Bowling Green (T-1), $26,348. Noted July 28.

★**O., Akron**—Summit Co. let contract grading approach to North Hill viaduct to Kahl Bros., 13004 Woodland St., Cleveland, $30,500. Noted July 14.

O., Cleveland—Comrs. Cuyahoga Co. received bids grading and paving (a) Bway. Rd. 3, (b) Bway. Rd. 2, from Riley Bros., The Arcade, (a) $159,075, (b) $176,708; Bentley Bros., 1836 Euclid Ave., (a) $160,200, (b) $175,604. Noted July 21.

★**O., Columbus**—City let contract grading, draining, curbing, laying water mains and paving with asphalt 5,536 ft. High St. from Cedar Alley to 5th Ave., 52-63 ft. wide, also 4,270 ft. Front St. from Town St. to Erie Alley, 52 ft. wide, to Franklin Asphalt Paving Co., 209 South High St., $90,708 and $118,216 respectively. Noted July 7.

★**O., Garfield Heights** (Garfield P. O.)—Village let contract paving East 85th St., asphalt, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $53,067. Noted Aug. 4.

★**O., Montgomery**—Montgomery Co. let contract paving 5,000 ft. Germantown St., here, from Lakeview to corporation line, to E. R. Ryan, c/o Comrs. Montgomery Co., Court House, Dayton, $88,346. Noted July 21.

O., South Euclid—See "Waterworks."

★**O., West Park**—City let contract grading, draining and paving West 118th, 120th, 123rd, 122nd, 127th and Elsienna Sts., asphalt, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $97,800. Noted July 14.

★**Mich., Cadillac**—State Highway Dept., at office Bd. Rd. Comrs. Wexford Co., let contract grading, draining and surfacing 1.229 mi. State Trunk Line Rd. 13-8, Sect. A, 0.386 mi. to be surfaced with gravel and 0.843 mi. with concrete, involving 5,559 cu. yd. excav., 9,935 sq.yd. concrete, 3,261 sq. yd. gravel, to H. A. Hoxie, Three Rivers, $30,797. Noted July 28.

★**Ill., Waukegan**—Lake Co. let contract paving 4.5 mi. Wauconda-Volo Rd., 18 ft. wide, concrete, to F. C. Nelson, Racine, Wis., $137,995. Noted July 28.

★**Wisconsin**—State Highway Comn., at Div. Office 5, Batavian Natl. Bank Bldg., LaCrosse, let contract surfacing Alma-Mondovi Rd., Federal Aid Project 135, Buffalo Co., to Ofstie & Mulheron, Spring Valley, $24,987. Noted July 21.

★**Wisconsin**—State Highway Comn., Div. Office 6, 213 South Barstow St., Eau Claire,

Streets and Roads (Continued)

let contract grading and surfacing 7.3 mi. Friendship-Arkdale Rd., State Aid Project 182, Adams Co., to McCarthy & Krause, Wisconsin Rapids, $39,181. Noted June 9.

★**Wisconsin**—State Highway Comn., at Div. Office 9, Lancaster, let contract concrete surfacing Bloomington-Lancaster Rd., Project 221, Grant Co., to C. E. Rich & Co., Lancaster, $25,010; 1.16 mi. Sandy Hook Rd., Project 209, Grant Co., to LaCrosse Dredging Co., LaCrosse, $32,357; grading and draining Dubuque-Platteville Rd., Project 100, Grant Co., to P. T. Fess, Madison, $9,785. Noted July 21.

Wis., Beaver Dam—City received bids July 29, paving various streets, involving (a) 6,570 cu.yd. excav., (b) 10,010 lin.ft. curb and gutter, (c) 17,150 sq.yd. Warrenite-bitulithic, (d) asphaltic concrete, (e) rein.-con., from Czerwinski Constr. Co., 378½ 16th Ave., Milwaukee, (a) $0.80, (b) $0.85, (c) $2.50, etc., total $60,619; Manitowoc Constr. Co., Manitowoc, (a) $1.10, (b) $0.90, (c) $2.40, etc., total $61,617; P. Fess, Madison, (a) $0.90, (b) $0.94, (c) $2.59, etc., total $63,865; White Constr. Co., Pabst and 30th Aves., Milwaukee, (a) $1, (b) $1, (c) $3.50, etc., total $80,875; Wisconsin Constr. Co., 1000 Humboldt St., Milwaukee, (a) $1.15, (b) $1, (c) $4.35, (d) $3.10, total with Warrenite-bitulithic $97,305, with asphaltic concrete $75,867; Western Improvement Co., Racine, (a) $1, (b) $1.10, (c) $4.40, (d) $3.10, etc., total with Warrenite-bitulithic, $97,925, with asphaltic concrete, $75,631, with sheet asphalt, $81,633; J. Rasmussen & Son, foot 7th St., Oshkosh, (a) $0.95, (b) $1, (d) $2.75, etc., total with asphaltic concrete, $67,499, with sheet asphalt, $72,644. Noted June 30.

Wis., Stevens Point—City received bids Aug. 3, improving various streets involving 18,000-20,000 sq.yd. pavement, (1) rein.-con., (2) vitr. fibre brick, (3) block brick, from W. E. Ule, Stevens Point, (1) $2.65; E. L. Sweeney, Reedsburg, (1) $2.90, (2) $2.90, (3) $4.30; Manitowoc Constr. Co., Manitowoc, (1) $2.58.

★**Ia., Audubon**—Audubon Co. let contract grading 17.4693 mi. primary road from Exira north thru here to Carroll Co. line, Federal Aid Project 52, to G. W. Condon, 415 Farnam Bldg., Omaha, Neb., 236,175 cu.yd. earth excav. at $0.255 per cu.yd., 239,141 cu.yd., $0.235.

★**Ia., Dakota**—Humboldt Co. let following contracts grading 2.045 mi. road south from here, and 12.24 mi. east from here, involving 94,312 cu.yd. earth excav.; draining 36,624 mi. north, east, west and south from here, involving 205,943 ft. 6 in., 7,480 ft. 8 in. and 110 ft. 12 in. tile, 43 Type A and 98 Type B intakes; gravel surfacing 5.986 mi. from Gilmore City, east, requiring 8,980 cu.yd. gravel, Federal Aid Project 117, to J. A. Dunkel, Webster City, 19,077 cu.yd. excav., at $0.34 per cu.yd.; L. O. Kimball, Thornton, 75,235 cu.yd. excav., $0.34; J. W. Donnelly, Gilmore City, 8,980 cu.yd. gravel, load, haul one mile, and spread, $0.53, 66,510 units additional ½ mi. haul, $0.12 per unit, 5.986 mi. removing crown, $75 per mi.; Humboldt Gravel & Tile Co., Humboldt, 6 in. tile drain complete at $0.122 per ft., 8 in., $0.177 and $0.183, 12 in., $0.37, Type A intakes $27 each, Type B, $22; Kalo Brick & Tile Co., Ft. Dodge, 50,120 ft. 6 in. tile material at $0.0515; Murray & Larsen, Bradgate, 50,120 ft. 6 in. tile labor at $0.06 per ft., 9 Type A intakes $20 each, 29 Type B intakes, $15 each. Noted July 14.

Ia., Des Moines—Polk Co. received bid paving 1½ mi. road, involving 7,522 cu.yd. excav., 3,200 ft. curb and gutter, 17,600 sq.yd. concrete and 17,600 sq.yd. brick paving, from Wright Constr. Co., 211 Flynn Bldg., Des Moines, $0.79 per cu.yd. for excav., $1.49 for curb-gutter, $2.88 for concrete and $4.48 for brick paving.

★**Ia., Marshalltown**—Marshall Co. let contract grading 6.949 mi. Lincoln Highway, Primary Rd. Project 13, east and west from here, to J. Herbert & Sons, Marshalltown, 45,150 cu.yd. excav., at $0.30 per cu.yd., 30,895 cu.yd., $0.345. Noted July 14.

★**Kan., Augusta**—City let contract paving 3,000 ft. Walnut and 7th Sts., brick, to Smith-Graham Constr. Co., Augusta, $34,300. Noted July 14.

★**Mont., Deer Lodge**—City let contract paving 16,470 sq.yd. Main St., to Rich & Markus, Missoula, $66,200.

★**Mo., St. Louis**—City let contract paving Letting 1197, brick and aphalt, to Granite Bituminous Paving Co., Ry. Exch. Bldg., $28,546; reconstructing foundation on Letting 1198, to Indiana Quarry Constr. Co., Ry. Exch. Bldg., $25,028. Noted July 14.

★**Tex., Waxahachie**—Ellis Co. let contract grading, draining and surfacing 4.23 mi. State Highway 14 north of Ennis, to Scarborough & Smith, Cleburne, $23,444, including 10% for engineering and contingencies. Noted Aug. 4.

★**Ariz., Phoenix**—City let contract extending pavement 8½ ft. on either side McDowell Rd. from Central to 11th Ave., concrete, to Twohy Bros., 318 Central Ave., $24,684.

★**Washington**—State Highway Comn., Olympia, let contract draining, and paving with 1 course concrete 2 mi. Pacific Highway from Island School house south, to S. A. Moceri, Thompson Bldg., Seattle, $57,403. Noted July 21.

★**Wash., Seattle**—City let contract curbing West Massachusetts St., to Scalzo & Co., 1708 22nd Ave., S., $41,587. Noted Aug. 4.

Wash., Seattle—City received bids July 30, paving Elliott Ave., et al, involving 2,950 lin. ft. Type A concrete curb and 6,725 sq.yd. 8 in. concrete pavement, from Olympic Constr. Co., 1326 Northlake Ave., $22,018. J. L. Smith, Pioneer Bldg., $22,216, D. H. Traphagen, New York Blk., $24,543; 15th Ave., N. W., from Fiorito Bros., New York Blk., $213,593. Noted July 28.

★**California**—State Highway Dept., 515 Forum Bldg., Sacramento, let contracts to H. J. Kaiser, Oakland, paving 10.34 mi. state highway between Upton and southerly boundary, Div. 2, Route 3, Sect. A, Siskiyou Co. and 15.97 mi. state highway between Cloverdale and Healdsburg, Div. 4, Route 1, Sect. A, Sonoma Co. Noted July 28.

★**Cal., El Monte**—Bd. Trustees let contract paving Main and 8 other streets, to H. M. Hanawalt, La Verne, $51,522. Noted Aug. 4.

★**Cal., South Pasadena**—City let contract paving Orange Grove Ave., to R. T. Shea & Co., Riverside, $25,661.

★**Que., Montreal**—City let contract paving 1½ mi. Normand, St. Julie, Dumarais, Emery and Labor Sts., to Sicily Asphaltum Paving Co., 60 St. Viaetuer St., $31,700; 1 mi. Girouard and Laballe Aves., to Duvanceau & Duvanceau, 152 Hamilton St., $31,329. Noted July 21.

★**Ontario**—Dept. Pub. Highways, Toronto, let contract paving 2 mi. highway, 20 ft. wide, 8 in. concrete, in Brantford, to Johnson Bros., Brantford. About $95,000.

★**Ont., Orilla**—Town let contract paving, curbing and guttering about 8,000 yd. West St., Warren bitulithic on 6 in. concrete base, 18 ft. wide, with stone shoulders on each side, to Warren Bituminous Paving Co., McKinnon Bldg., Toronto. About $30,000.

Industrial Works

PROPOSED WORK

Conn., Hartford—Case, Lockwood & Brainerd Co., 141 Pearl St., having plans prepared by Lockwood, Greene & Co., archts. and engrs., 60 Federal St., Boston, Mass., for large printing plant, rein.-con.

Conn., Hartford—C. F. Luce, archt., 36 Pearl St., preparing plans for 6 story, 150 x 150 ft., brick and rein.-con. garage and repair shop on Hicks St. About $500,000. Owner's name withheld.

Pa., Phila.—R. Beard, archt., 2120 North Lambert St., soon receives bids building 2 story, 88 x 170 ft., rein.-con. and steel factory, rein.-con. flooring, rock foundation, at 778-86 4th St., for Boyerite Corp. of America, c/o architect. About $120,000.

Pa., Phila.—Brighton Worsted Co., Tioga and D Sts., soon receives bids building 3 story, 32 x 55 ft. rein.-con. factory, rein.-con. flooring, concrete foundation. About $60,000. Private plans.

Pa., Phila.—H. H. Kline, archt., 1612 South 4th St., soon receives bids building 2 story, 140 x 160 ft., rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation, on Ritner and Swanson Sts. About $150,000. Owner's name withheld.

Pa., Phila.—I. W. Levine, archt., Victory Bldg., soon receives bids building 2 story, 48 x 133 ft., rein.-con., steel and brick garage and hall, rein.-con. flooring, rock foundation, on 4th and Seigel Sts., for S. Alexander, c/o archt. About $80,000.

O., Canton—Canton Oxygen Co., recently incorporated with $200,000 capital stock, plans to build 2 story factory on Louisville Rd. About $50,000. W. Stolzenbach, 818 3d Ave., N. E., pres.

O., Cincinnati—Hyde Park Dairy Co., 3755 Edwards Rd., receiving bids building 2 story, 32 x 85 ft., brick and concrete dairy, rein.-con. flooring, concrete foundation. About $40,000. H. W. Voelz, 86 Michigan St., Milwaukee, Wis., archt. Noted June 23.

Ill., Rock Island—See "Buildings."

Mo., Fulton—State Hospital plans to build power house. About $40,000. M. O. Biggs, supt. Engineer not selected.

Ark., Stamps—Louliana & Arkansas Ry. having plans prepared by Harrington-Howard & Ash, archts., Orear Leslie Bldg., Kansas City, Mo., for 1 story, brick and rein.-con. locomotive shop. About $150,000.

Tex., San Antonio—State Legislature, Austin, appropriated $100,000 for construction of new power plant at Southwest Texas Insane Asylum, here. Address J. G. Springer, supt.

Cal., Burbank—Amer. Aluminum Products Co., c/o R. D. King, archt., 519 Van Nuys Bldg., having plans prepared for 1 story, brick and timber factory, concrete foundation, to have 60,000 sq. ft. floor space. About $150,000.

Ont., Owen Sound—Deans Garage plans to build garage on Main St. to replace one recently destroyed by fire. About $75,000. Architect not announced.

Ont., Windsor—Calthurst, Trace & Nichols, archts., 16 Sandwich St. W., soon let contract building 2 story, 125 x 400 ft. cold storage plant, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on McDougall St., for Essex Provision Co. Ltd., 1120 McDougall St. About $600,000.

BIDS DESIRED

Pa., Phila.—Until Aug. 15, by A. M. Barnes, archt., 10 South 18th St., building 1 story, 55 x 185 ft., concrete, brick and steel garage, rein.-con. flooring, concrete foundation, on 34th and Hunting Aves. About $75,000. Owner's name withheld.

Mich., Detroit—Until Aug. 15, by Street Railway Comn., Murphy Bldg., Detroit, building 1 and 2 story carhouse, concrete, brick and steel, concrete foundation, on St. Jean Ave. About $1,000,000. W. C. Markham, 155 West Congress St., Detroit, engr.

Wis., Milwaukee—Until Aug. 18, by School Bd., building 1 story, 30 x 44 ft., brick and concrete boiler house and heating plant, rein.-con. flooring, concrete foundation, at Mound St. School. About $50,000. Van Ryn & DeGellek, Caswell Blk., archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Concord**—Boston & Maine R.R., North Sta., Boston, let contract building 1 and 2 story, concrete, steel and brick roundhouse, etc., rein.-con. flooring, concrete foundation, on Hall St., here, to H. Wales Lines Co., 134 State St., Meriden, Conn. About $200,000.

★**Mass., Everett**—Malden Electric Co., 139 Pleasant St., Malden, let contract building 1 story electric sub-station, brick and concrete, rein.-con. flooring, concrete foundation, on Bway. and Oakland Ave. here, to C. H. Tenney & Co., 201 Devonshire St., Boston. About $75,000.

R. I., Providence—Business—W. T. Grant Co., 30 West 23d St., New York City, receiving bids building 3 story, brick, steel and concrete, rein.-con. flooring, concrete foundation, on Westminster and Mathewson Sts. About $150,000. W. R. Walker & Son, 49 Weybosset St., archts. Noted July 21.

★**Conn., Hartford**—Prospect Garage, 585 Prospect Ave., let contract building 2 story, 50 x 90 ft. addition to garage, concrete, brick and steel, rein.-con. flooring, concrete foundation, to N. J. Gibbud Co., 730 Chapel St., New Haven.

★**N. Y., Brooklyn**—The Erie Dyeing & Processing Co., 2765 East 55th St., Cleveland, let contract building 1 story, brick, steel and concrete plant, rein.-con. flooring, brick and concrete foundation, on Nassau Ave. near East 14th St., here, to G. W. Feaga Co., 5927 Euclid Ave., Cleveland. About $150,000. Former contract rescinded Noted July 7.

★**Pa., Beaver Falls**—Ingraham & Richardson Mfg. Co. let contract building 1 story, 95 x 129 ft., steel and brick factory, brick foundation, to Cook & Anderson, Beaver Falls. About $60,000.

Pa., Phila.—L. Rubin, c/o Neubaurer & Supowitz, archts., 929 Chestnut St., let contract building 1 story, 97 x 200 ft., rein.-con., brick and steel, garage, rein.-con. flooring, concrete foundation, on 41st and East Poplar Sts., to M. Kirschner, 1930 Brown St.; cost plus percentage basis.

★**Fla., Lakeland**—Federal Ice Co., Blue Island Ave., Chicago, let contract building 2 story, 100 x 350 ft., rein.-con. ice plant, rein.-con. flooring, to Bloom-Sinck Co., City Hall Square Bldg., Chicago. Cost between $250,000 and $300,000.

Industrial Works (Continued)

★**La., New Orleans**—Crane Co., 836 South Michigan Ave., Chicago, Ill., let contract building 5 story, 159 x 370 ft. distributing plant, mill construction, on block bounded by South Front, Peters, Erato and Gaiennie Sts., to O. M. Gwin Constr. Co., Canal Commercial Bldg., $224,778.

★ **Ill., Lawrenceville** — Lawrenceville Cooperage Co. let contract building 1 story, 40 x 100 ft. factory, to Austin Co., 208 South La Salle St., Chicago. About $50,000.

★**Wis., Oshkosh**—Kaerwer Auto Co. let contract building 1 story, 75 x 98 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, to C. R. Meyer & Sons, 50 State St. About $45,000. Noted July 21.

★**Neb., Pawnee City**—City let contract remodeling electric power plant, to Merkle Mehy. Co., 508 Inter-State Bldg., Kansas City, Mo., $61,600. Noted June 9.

★**Mo., Kansas City**—Grand Ave. Bldg. Co., c/o E. H. Gill, engr., Interstate Bldg., let contract building 2 story, 80 x 122 ft., brick and rein.-con. garage, at 714 Grand Ave., to McClure Constr. Co., Bryant Bldg. About $100,000.

★**Mo., Kansas City**—M. D. Woodling, Reliance Bldg., let contract building 10 story, 100 x 124 ft., brick, rein.-con. and stone garage at 1219 Wyandotte St. to Fogel Constr. Co., Reliance Bldg. About $600,000.

★**Mo., St. Louis**—Excelsior Laundry Co., c/o G. P. Shaum, Grand and Bell Sts., let contract building 2 story, 119 x 127 ft. brick laundry and power house on Grand and Washington Sts. to Fruin-Colnon Constr. Co., Merchants Laclede Bldg. About $200,000. Noted April 28.

★**Cal., Long Beach** — Golden State Woolen Mills, Nadeau Bldg., let contract building 1 story, rein.-con. and steel factory, to contain 110,000 sq.ft. floor space, to Austin Co., 398 Pacific Electric Bldg. About $150,000.

★**Cal., Los Angeles**—Buttress & McLean, 205 North Los Angeles St., let contract building three 1 and 2 story, 60 x 280 ft., brick and steel factories, rein.-con., foundations, on 51st and Santa Fe Sts., to Austin Co., 398 Pacific Electric Bldg. About $38,000 each.

★**Cal., Los Angeles**—City Harbor Dept. let contract building 1 story, 120 x 438 ft. steel warehouse on concrete piling, at Wilmington Los Angeles Harbor, to Austin Co., 398 Pacific Electric Bldg. About $150,000.

★**Cal., Los Angeles**—Union Bank & Trust Co., Garland Bldg., let contract building 1 story, 133 x 139 ft. auto service station, rein.-con. and brick, rein.-con. foundation, on South Main and Adams Sts. to J. M. Cooper, Marsh-Strong Bldg. About $40,000.

Buildings

PROPOSED WORK

Mass., North Adams—School and Hall—St. Josephs Roman Catholic Parish plans to build 2 story (20 rooms), brick and concrete. About $150,000. E. P. Dunphy, pastor. Architect not selected.

Mass., Westfield—School and Hall—Our Lady of Blessed Sacrament Roman Catholic Parish plans to build 2 story, brick, concrete and steel, on Union St. About $150,000. P. J. O'Malley, pastor. Architect not selected.

Conn., Hartford—Bank—State Savings Bank, 803 Main St., having preliminary plans prepared by B. W. Morris, archt., 101 Park Ave., New York City, for 1 story, brick, marble, concrete and steel, on Pearl St. Noted Mar. 10.

Conn., Stamford — Theatre — Wurster & Gordon, 243 West End Ave., New York City, having plans prepared by E. DeRosa, archt., 110 West 40th St., New York City, for 3 story, brick, concrete and steel, on Rippowan Sq., here. About $450,000.

Pa., Chester—Hospital—St. James Hospital having revised plans prepared by F. F. Durang, archt., 1220 Locust St., Phila., for 4 story, 108 x 112 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 7th and Butler Sts. About $250,000. Noted June 16.

Pa., Phila. — Bank and Office — Mills & Van Kirk, archts., Harrison Bldg., preparing plans and soon receives bids building 3 story, 19 x 101 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Broad and Dickinson Sts., for Sons of Italy State Bank, 7th and Christian Sts. About $160,000.

D. C., Wash. — Apartment — Dist. Natl. Bank, 1406 G St., N. W., having plans prepared by F. R. White, archt., 1410 G St., N. W., for apartment, brick. About $300,000.

D. C., Wash. — Bank and Office — Amer. Commercial & Savings Bank having plans prepared by J. Wenig, archt., 721 10th St., N. W., Wash., for bank and office on 7th and G Sts., N. W. About $150,000.

D. C., Wash.—Bank, Theatre and Office—R. W. Geare, archt., Woodward Bldg., preparing plans for 10 story, brick and limestone. About $2,500,000. Owner's name withheld.

N. C., Kinston—High School—City election Oct. 4 to vote on $500,000 bonds for high school and other school improvements. M. Happer, mayor.

Fla., Tallahassee—Capitol—State Bd. Institutions having plans prepared by H. J. Klutho, archt., St. James Bldg., Jacksonville, for 3 story, concrete or brick additions. About $250,000. Noted May 12.

O., Akron—Bank and Office—The Warranty Security Discount Co., 65 South High St., having plans prepared by J. H. Graham Co., archts., 8201 Cedar Ave., Cleveland, for 20 story, 60 x 70 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, on Main and Buchtel Sts. About $1,000,000.

O., Cleveland — Commercial — Conrad-Baisch & Kroeble Co., 7318 Wade Park Ave., having plans prepared for 5 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, on Euclid Ave. and 82nd St. About $300,000. Architect's name withheld.

O., Cleveland—Office—Ohio State Mortgage Co., c/o Allen-Osborn Co., archts., Rose Bldg., having plans prepared for 12 story, brick, steel and concrete, rein.-con. flooring brick and concrete foundation, on East 9th St. and Huron Rd. About $1,000,000.

O., Cleveland—Store and Apartment—I. Margolin, 10527 Churchill Ave., having plans prepared by M. Weis, archt., 618 Union Bldg., for 3 story, 118 x 130 ft., brick and timber, brick foundation, on Euclid and Rosedale Aves. About $150,000.

O., Dayton—Home—Sisters of Precious Blood, c/o St. Joseph Orphanage, St. Paul Ave., plan to build 3 story, brick and rein.-con., rein.-con. flooring, concrete foundation, on Salem Pike. About $150,000. Architect not selected.

Ill., Bloomington—College—Illinois Wesleyan College, c/o T. Kemp, pres., having plans prepared by A. L. Pillsbury, archt., Bloomington, for college, to include library, gymnasium, auditorium, dormitory and school building. About $700,000. Noted June 30.

Ill., Bushnell—Hospital—Hospital Assn., c/o Dr. R. R. Barnes, plans to build 2 story, brick and rein.-con., hollow tile floors. About $150,000. Architect not selected.

Ill., Rock Island — Office, etc. — Carlson Bros., 417 15th St., Moline, having plans prepared by Whitsitt & Schulzke, archts., Peoples Bank Bldg., Moline, for 3 story, 40 x 150 ft. office and warehouse, brick and rein.-con., on 5th and 14th Sts. About $150,000.

Wis., Institute (Sturgeon Bay P. O.)—High and Grade School — Consolidated School Dist. receiving competitive sketches for 2 story, brick and concrete, rein.-con. flooring concrete foundation. About $150,000. R. Wohgram and J. Anshultz, members of building com.

Wis., Lancaster — High School — School Bd. having revised plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., La Crosse, for 2 story, steel and brick, rein.-con. flooring, concrete foundation. Cost between $175,000 and $200,000. E. J. Morse, pres.

Wis., Oconomowoc—High School—Bd. Educ. plans to build 2 story, 125 x 145 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation. About $200,000. Architect not selected.

Wis., Shorewood (Milwaukee P. O.)—High School—School Dist. rejected bids opened July 25, building 2 story addition and central heating plant, rein.-con., brick and steel, rein.-con. flooring, concrete foundation on Atkinson St. About $200,000. Work will be readvertised. R. Messmer & Bros., 201 Grand Ave., Milwaukee, archts. Noted July 14.

Wis., Wauwatosa—Orphanage—Evangelical Lutheran Kinderheim, West Milwaukee Ave., having preliminary plans prepared by R. Messmer & Bros., archts., 221 Grand Ave., Milwaukee, for 3 story, brick and concrete, rein.-con. flooring, concrete foundation, on West Main St. About $150,000.

Wis., West Allis—Church—Holy Assumption Congregation, 577 63d Ave., rejected bids building 60 x 158 ft., brick and stone, on 63d Ave. About $150,000. Work will be readvertised. Clas. Shepherd & Clas, 445 Milwaukee St., Milwaukee, archts. Noted April 21.

Ia., Dubuque—Bank and Office—Union Trust & Savings Bank, c/o N. C. Gindorff, having plans prepared by Bankers Architectural & Eng. Co., 122 South Michigan Ave., Chicago, building 2 story, 75 x 100 ft., brick and rein.-con., on 14th and Clay Sts. About $200,000.

Ia., Dyersville—Bank—Farmers State Bank, c/o J. A. Schneider, cashier, having plans prepared by Bankers Architectural & Eng. Co., 122 South Michigan Ave., Chicago, building 2 story, rein.-con., brick and stone. About $150,000. Noted Dec. 9.

Minn., International Falls—High School—Bd. Educ. plans to build 3 story, rein.-con., brick, tile and stone. About $175,000. F. E. Patterson, clk. Architect not announced.

Kan., Coffeyville—Memorial—City voted $250,000 bonds to build memorial. C. Polleck, clk. Architect not selected.

Kan., Parsons—Lodge—Knights of Pythias, c/o W. A. Disch, plan to build 3 story, brick and stone, rein.-con. or steel frame. About $150,000. Architect no selected.

S. D., Garretson—School—Bd. Educ., c/o T. F. Burns, plans to build 2 story, rein.-con., brick and steel. About $150,000. Perkins & McWayne, Paulton Blk., Sioux Falls, archts.

Wyo., Laramie—School—Bd. Educ. having plans prepared by W. Dubois, archt., Cheyenne, for 2 story, on 9th and Custer Sts. Election soon to vote on $150,000 bonds for project.

Mo., Liberty — High School — Bd. Educ. plans to build 2 story, brick, rein.-con. and stone. About $150,000. E. L. Black, secy. Architect not selected.

Mo., Nevada — Hotel and Sanitarium — Radio Springs Co., c/o C. Hornscher, soon receives bids building 3 story, concrete, at Park. About $200,000. H. Primmer, 129½ North Cherry St., archt.

Mo., St. Joseph — Hospital — Methodist Episcopal Hospital, c/o J. R. Harper, supt., 2602 Monterey St., having plans prepared by Eckel & Aldrich, archts., 1105 Corb Forsee Bldg., for 7 story, 120 x 165 ft., brick, stone and rein.-con., on 8th and Foraon Sts. About $1,000,000.

Mo., St. Louis — Office — Southwestern Bell Telephone Co., Boatman Bank Bldg., having plans prepared by I. R. Timlin, archt., c/o owner, for 3 story, 108 x 140 ft., brick, rein.-con. flooring, on 10th and Chestnut Sts. About $600,000.

Mo., St. Louis—Theatre—Assembly Hall Co., c/o T. P. Barnett, archt., Arcade Bldg., having plans prepared for 2 story, 85 x 135 ft., brick, rein.-con. and stone, at 2619 Market St. About $150,000.

Tex., Arlington—High School—City, c/o A. H. Davis, pres. Chamber Commerce, plans to build 2 story, brick, rein.-con., steel and stone. About $150,000.

Okla., Tulsa—Office—Silver Plume Lodge 182, Knights of Pythias, c/o Tulsa Pythian Bldg. Assn., plans to build 10 story, 70 x 145 ft., rein.-con., on 12th and Main Sts. About $1,000,000. Address H. L. Sanders, 544 Kennedy Bldg., secy. Architect not selected.

Cal., Glendale—Church—Glendale Presbyterian Church having plans prepared by R. H. Orr, archt., 1301 Van Nuys Bldg., Los Angeles, for 1 story, 150 x 150 ft., brick and stone. About $150,000.

Cal., Orange—School—Bd. Educ. having plans prepared by Allison & Allison, archts., Hiberman Bldg., Los Angeles, for 3 story, rein.-con. and brick, rein.-con. foundation. About $160,000.

Cal., Pasadena—Y. W. C. A., 78 North Marengo St., having plans prepared by J. Morgan, archt., Merchants Exch. Bldg., San Francisco, for 3 story, rein.-con., concrete foundation, at 78 North Marengo St. About $150,000.

Ont., Galt—Rink—Galt Amateur Athletic Assn. having plans prepared by F. C. Bodley, archt., Commercial Chambers, Brantford, for 1 story, 130 x 240 ft. ice rink, concrete, brick, stone and steel, concrete foundation, on Shade St. About $150,000.

Ont., London—High School—Bd. Educ. having plans prepared by L. E. Carrothers, archt., c/o owner, for brick and stone, on Tecumseh St. About $200,000. Prices wanted on all materials. W. A. Tanner, secy.

Buildings (Continued)

Ont., Petite Cote—Church and Parsonage—Church of Sacred Heart having plans prepared by J. C. Pennington and J. R. Boyle, archts., Bartlett Bldg., Windsor, for 1 story, 60 x 130 ft., stone and brick, concrete foundation. About $175,000. F. M. Baillargeon, pastor.

Ont., Toronto—Office—H. A. Johnston, 412 Lake Front St., preparing plans for 6 story concrete, steel and brick, concrete foundation, on Bloor St. About $200,000.

BIDS DESIRED

Me., Lewiston—Church—Until Aug. 22, by Miller & Mayo, archts., Fidelity Bldg., Portland, building 1 story, stone, steel and brick, on Main and Bates Sts., for United Baptist Church, Lewiston. About $150,000. Noted Apr. 7.

Mass., Wrentham—School—Until Aug. 16, by Commonwealth Massachusetts, Mental Diseases Comn., 109 State House, Boston, constructing 2 story, 33 x 106 ft. industrial building and 2 story, 52 x 113 ft. assembly hall, brick and concrete, concrete foundations, at State School, here. About $150,000. Kendall, Taylor & Co., 142 Berkeley St., Boston, archts.

★**R. I., Providence**—Z. Zawatsky & Son, 12 Winslow St., let contract building 1 story, brick, steel and cement garage, rein.-con. flooring, concrete foundation, on Westminster and Knight Sts., here, to C. I. Bigney Constr. Co., 357 Westminster St. About $40,000. Noted July 21.

Conn., Norwich — Store and Business — Schwartz Bros., 72 Main St., receiving bids building 3 story, 60 x 120 ft., concrete, brick and limestone, concrete foundation. About $150,000. Neisner & Uffner, 501 East Tremont Ave., New York City, archts. Noted Aug. 4.

Conn., Westville (New Haven P. O.)—School and Gymnasium—Norton & Townsend, archts., 120 Church St., New Haven, receiving bids building 3 story, 50 x 85 ft. and 40 x 40 ft., steel, stone and brick, concrete foundation, on campus, for Hopkins Grammar School, 1209 Chapel St. About $150,000.

N. Y., Brooklyn—Schools—Until Aug. 16, by C. B. J. Snyder, supt. School Bldgs. of Bd. Educ. and R. W. Rodman, supt. Plant operation, Municipal Bldg., constructing P. S. 183, on Riverdale Ave. between Douglass and Herzl Sts., P. S. 184, on Newport Ave. between Stone Ave. and Watkins St., P. S. 186, on 19th Ave. between 76th and 77th Sts. Noted May 5.

Pa., Phila. — School — Until Aug. 17, by School Bd., building 3 story, 146 x 170 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 7th and Norris Sts. About $270,000. Private plans.

Pa., Phila.—University—Until Aug. 15, by Trustees Temple University, Broad and Berks Sts., building 6 story, 100 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Broad and Montgomery Sts. P. H. Johnson, Presser Bldg., archt.

Pa., Pittsburgh—Store—Until Aug. 16, by B. Jansen, archt. and engr., Century Bldg., constructing 7 story, 120x250 ft., rein.-con., brick and steel, concrete foundation, on Stanwix St. and Duquesne Way, for J. Horne Co., Manufacturers Bldg.

S. C., Charleston — High School — Until Aug. 24, by Secy. Bd. Trustees, City Hall, building high school on Rutledge Ave. Benson & Barbot, 26 Broad St., archts.

Miss., Magee—Sanitorium—Until Aug. 16, by State, c/o T. C. Link, dir. Pub. Wks., P. O. Box 636, Jackson, constructing six 2 and 3 story, brick and stone buildings. About $300,000. Link & Trueblood, Chemical Bldg., St. Louis, Mo., engrs. Noted July 14.

Tenn., Nashville—Office—Until Aug. 29, by G. Norton, archt., Independent Life Bldg., constructing 136 x 172 ft., rein.-con., on 7th and Union Sts., for Natl. Life & Accident Insurance Co., 302 7th Ave. About $700,000. Noted Feb. 10.

O., Alliance—Lodge and Mercantile—Until Aug. 20, by Eagles Lodge, 239 East Main St., building 5 story, brick and stone, rein.-con. flooring, on Main St. About $150,000. Albrecht, Wilhelm & Kelly, 1836 Euclid Ave., Cleveland, archts.

O., Hoytville—School—Until Aug. 27, by Bd. Educ., building 2 story, 80 x 135 ft., in Jackson Twp. About $150,000. G. Dunn, Jr., chn. S. P. Stewart & Sons, Bowling Green, archts.

O., Warrensville—School—Until Aug. 17, by Bd. Educ., building 2 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, on Center Rd. About $150,000. G. Nichols, clk. W. H. Nicklas, 1900 Euclid Ave., Cleveland, archt. Noted March 24.

Ill., Centralia — Bank and Office — Until Aug. 16, by T. P. Barnett & Co., archts., Arcade Bldg., St. Louis, Mo., building 5 story, 50 x 90 ft., brick, stone, steel and concrete, for City Natl. Bank. R. L. Ugey, pres. About $200,000. Noted June 23.

Ill., Evanston — Church — Talmadge & Watson, archts., 189 West Madison St., Chicago, receiving bids building 2 story, 50 x 100 ft., stone, on Chicago Ave. and Raymond Park, for First Baptist Church, c/o J. M. Stifler. About $175,000. Noted March 3.

Ill., West Frankfort—City Hall and Jail—City, and J. R. Scribbins, archt., 401 Powers Bldg., Decatur, receiving bids building 2 story, brick and rein.-con. About $150,000.

Ill., Zeigler—School—Until Aug. 16, by Bd. Educ., building 2 story, 76 x 109 ft. and 25 x 76 ft., rein.-con., brick and stone. About $150,000. Former contract rescinded. K. M. Vitzthum & Co., 21 East Van Buren St., Chicago, archts. Noted July 21.

Ia., Barnum—School—Until Aug. 22, by Bd. Educ., c/o F. C. Connor, building 2 story, brick and stone. About $150,000. Damon, O'Meara & Hills, Mason Bldg., Ft. Dodge, archts.

Ia., Le Mars—Hospital—Until Aug. 17 (change of date), by W. L. Steele, archt., 502 U. B. Bldg., Sioux City, constructing 4 story, rein.-con., brick, steel and tile, on North Park St., for Sacred Heart Hospital Assn., c/o architect. About $250,000. Noted Aug. 4.

Ia., Webster City — High School — Until Aug. 30, by Bd. Educ., c/o E. P. Prince, secy., building 3 story, 165 x 193 ft., rein.-con., brick, stone and tile. About $250,000. W. Gordon, 317 Hubbell Bldg., Des Moines, archt.

Kan., Great Bend—Church—Until Sept. 15, by First Methodist Episcopal Church, c/o E. E. Wagaman, building 1 story, 80 x 120 ft., brick, stone and steel. About $150,000. Owen, Payson & Carswell, Interstate Bldg., Kansas City, Mo., archts. Noted Jan. 13.

Mo., Kansas City—Apartment—Until Aug. 15, by C. O. Jones, Commerce Bldg., constructing 4 story, 46 x 132 ft., brick, stone and steel, on 42d and Locust Sts. About $150,000. N. E. Peters, c/o owner, archt. Noted July 14.

Mo., Kansas City—Hotel—Until Aug. 26, by Brostrom & Drotts, archts., Reliance Bldg., constructing 11 story, 26 x 96 ft., brick, rein.-con. and stone, at 15 East 24th St., for W. E. Eysell, 15 West 10th St. About $150,000.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**R. I., Providence**—School and Hall—St. Paul's Roman Catholic Church, Broad St., let contract building 2 story, 97 x 109 ft., brick and steel, rein.-con. flooring, concrete foundation, to R. J. McIntyre & Son, Providence. About $150,000. Noted June 30.

★**Conn., Danbury** — Hospital — Danbury Hospital, Locust Ave., let contract constructing 4 story, 35 x 117 ft. nurses' home, brick, concrete and steel, and 4 story, 40 x 125 ft. service building, brick and steel, rein.-con. flooring, concrete foundations, to W. E. Egelhof, 101 Park Ave., New York City. About $300,000. Noted July 7.

★**Conn., Hartford**—School—First School Dist. let contract building 3 story, 108 x 139 ft., rein.-con., steel and brick addition, rein.-con. flooring, concrete foundation, on Talcott St., to Southern New England Contg. Co., 173 State St. About $570,000. Noted June 23.

★**Conn., Manchester** — Club — Campbell Council, K. of C., let contract building 3 story, 60 x 100 ft., brick and steel, concrete foundation, on Main and Bissell Sts., to T. Gorman, 75 Linden St., South Manchester. Noted June 30.

N. Y., Long Island City—High School—C. B. J. Snyder, Supt. School Bldgs., Municipal Bldg., New York City, opened bids Aug. 5, completing and finishing the general construction of additions to and alterations in Bryant High School, on Wilbur Ave. between Academy and Radde Sts., from J. Schlesinger, Inc., 259 West 90th St., New York City, $160,400; M. C. Tredennick, 331 Madison Ave., New York City, $165,000; Vought Constr. Co., Inc., Grand Central Terminal, New York City, $183,853. Noted July 28.

★**Pa., Johnstown**—Store—M. Maghan & Bros. let contract building 5 story, 100 x 120 ft., steel and brick, rein.-con. flooring, at 435 Lincoln St., to Q. Hafer, Chambersburg, cost between $150,000 and $200,000, percentage basis.

★**Pa., Phila.**—Hospital—Childrens Hospital, 18th and Fitzwater Sts., let contract building 4 story, to G. A. Fuller Co., 321 Walnut St. About $157,000.

★**Pa., Phila.**—Office and Bank—Walnut St. Savings & Trust Co., c/o H. C. Hogens, archt., 130 South 15th St., let contract building 7 story, 94 x 118 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, on Juniper and Walnut Sts., to Penn Realty Constr. Co., c/o architect. About $500,000; cost plus percentage basis.

★**O., Dayton**—School—Bd. Educ. let general contract building 2 story, brick, steel and concrete, rein.-con. flooring, concrete foundation, on Jackson St., to Drummond & Miller, 4500 Euclid Ave., Cleveland, $347,150; heating and power work to W. Haas, 429 East 3rd St., $56,179. Noted July 21.

★**O., East Liverpool** — Church and Parsonage—First Methodist Episcopal Church let general contract building 120 x 130 ft. on 5th and Jackson Sts., to Martin, Orr & Martin Co., East Liverpool. About $165,000. Noted July 7.

★**O., Fairview**—School—Bd. Educ. let contract building 2 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, to D. Gilchrist, Berea. About $150,000. Noted July 14.

O., Wadsworth — School — Bd. Educ. received bids June 28 building 2 story, brick, steel and concrete, rein.-con. flooring, concrete foundation, from Carnichael Constr. Co., 524 Hamilton Bldg., Akron, $159,000; T. E. McShaffrey, Forge St., Akron, $165,000. Noted June 23.

★**Ill., Alton**—Hospital—Alton State Hospital let contract constructing brick and concrete, including 6 buildings, to Modern System Constr. Co., Commercial Bldg., Alton, $195,673. Noted March 24.

★**Ill., Danville**—Y. W. C. A., c/o E. B. Cooley, let contract building 3 story, 140 x 140 ft., brick and stone, to Sheets & Ingersoll, Daniels Bldg., $130,600. Noted June 23.

★**Ill., Hinsdale** — Club — Hinsdale Golf Club, c/o W. Fetzer, chn., 143 South La Salle St., Chicago, let contract building 3 story, 100 x 150 ft., rein.-con., brick and stone, to W. Saltwich, Hinsdale. About $150,000. Noted April 28.

★**Ill., Niles**—Infirmary—E. Bielmeier, archt., University Bldg., Milwaukee, Wis., let contract to J. F. Schrambeck, 3414 Hamlin Ave., Chicago, building 2 story, 50 x 125 ft., rein.-con. and brick, for St. Hedwigs Industrial School for Girls, here. About $150,000. Noted July 7.

★**Wis., Milwaukee** — Bank — Wisconsin State Bank, 508 11th Ave., let contract building 2 story, 52 x 85 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, to R. Reisinger & Co., 464 Oakland Ave. About $150,000. Noted June 23.

★**Wis., Sheboygan**—Bank and Office—Security Natl. Bank let contract building 7 story, 80 x 108 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee. About $600,000. Noted July 7.

★**Ia., Des Moines**—Bank and Office—Iowa Natl. Bank, c/o H. Miller, pres., Fleming Bldg., let contract remodeling 7 story stone and brick on 6th and Walnut Sts., to A. H. Neumann & Co., 519 Hubbell Bldg., Des Moines. About $150,000. Noted July 14.

★**Ia., Oakdale**—Hospital—State Bd. Control, c/o V. Scarborough, Oakdale, let contract building 2 story, 83 x 112 ft., rein.-con., brick, stone and steel, to J. W. Hopp Constr. Co., 403 Granby Bldg., Cedar Rapids. About $175,000.

★**Kan., Buffalo Park**—Church—Roman Catholic Church, c/o W. Wenzel, pastor, let contract building 2 story, 70 x 100 ft., brick, stone and steel, to M. J. Green, Manhattan. About $150,000.

★**Mo., Kirkwood**—High School—Bd. Educ. let contract building 2 and 3 story, brick and steel, rein.-con. flooring, to W. Bopp Constr. Co., Kirkwood. About $165,000. Noted July 21.

★**Cal., Los Angeles**—Loft—Klein-Norton Co., 253 South Los Angeles St., let contract building 12 story, 69 x 200 ft., rein.-con.

Buildings (Continued)

stone and tile, on 7th and Wall Sts., to U. S. Constr. Co., I. W. Hellman Bldg. About $500,000.

★**Que., Montreal** — Merchants Bank, 205 St. James St., let contract building 1 story, 50 x 70 ft., rein.-con. and steel, rein.-con. foundation, on St. Catherine St., to Purdy & Henderson, 10 Cathcart St. About $150,000.

★**Ont., Orilla**—Hospital—Hospital Bd. let contract building 2 story, 65 x 140 ft., concrete, steel and brick, concrete foundation, to E. Webb & Son, Orilla. About $170,000, cost plus percentage basis.

★**Ont., Ottawa**—Hospital—City let general contract building 5 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Carling and Parkdale Aves., to A. Garvock, Regent Theatre Bldg. About $2,500,000.

Man., Winnipeg—Collegiate—Pub. School Bd. received bids July 26, building 3 story, 265 x 318 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Alverstone and Wellington Sts., from J. McBlarmid Co. Ltd., Myrtle and Winnipeg Aves., about $990,000, Sutherland Constr. Co., 301-2 Merchants Bank, $1,016,860, Carter, Halls & Aldinger Co. Ltd., Union Bank Bldg., $1,027,229; heating and power, from Cotter Bros. Ltd., Fort and St. Marys Sts., $128,658, Bowyer Boag Ltd., 45 Olivia St., $130,880, Green & Litster Ltd., 237 Front St., $131,000. Noted July 7.

Federal Government Work

PROPOSED WORK

Md., Perryville—Hospital—Treas. Dept., Wash., D. C., plans to construct, here. J. A. Wetmore, acting superv. archt.

Wyo., Ft. McKenzie — Hospital — Treas. Dept., Wash., D. C., plans to construct at Camp Sheridan, here. J. A. Wetmore, acting superv. archt.

Wash., Walla Walla — Hospital — Treas. Dept., Wash., D. C., plans to construct, here. J. A. Wetmore, acting superv. archt.

BIDS DESIRED

Mass., Boston—Mechanical Equipment—Spec. 4495—Until Aug. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing mechanical equipment and piping and altering in boiler plant, here. Noted July 28.

Mass., South Boston (Boston P. O.)—Crane—Spec. 4478—Until Sept. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., furnishing one 50-ton steam crane for drydock, here.

Pa., Phila.—Dredging—Until Sept. 7 by U. S. Engineer, 815 Witherspoon Bldg., dredging and rock removal in Schuylkill River, here; advertised in this issue.

Pa., Phila.—Mezzanine Floors, etc.—Until Aug. 19, by Treas. Dept. Wash., D. C., constructing in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; advertised in this issue.

Pa., Pittsburgh—Barges—Until Sept. 2, by U. S. Engineer, furnishing and delivering 3 steel deck barges; advertised in this issue.

Md., Annapolis—Ash Bunker, Power House Extension, etc.—Spec. 4487—Until Aug. 31, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing ash bunker, at Naval Academy, power house extension, and coal bunker, at Naval Hospital Reservation, here. C. W. Parks, clk bureau; advertised in this issue.

Va., Norfolk—Gun Shed—Spec. 4475—Until Aug. 31, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, 1 story, at Marine Barracks Reservation, Navy Yard, here. C. W. Parks, ch. of bureau; advertised in this issue.

Va., Norfolk—Removal of Wreck—Until Sept. 5, by U. S. Engineer, removing wreck of Steamer Lake Cavenia, Chesapeake Bay, 2 mi. east Ft. Monroe; advertised in this issue.

S. C., Charleston—Sprinkler System—Spec. 4490—Until Aug. 31, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for complete wet-pipe systems of automatic sprinklers, in Bldgs. Nos. 5, 7, 10, 13 and 1023, Navy Yard, here. C. W. Parks, ch. bureau; advertised in this issue.

Tenn., Memphis—Heating System—Until Aug. 18, by Dist. Engr., Mississippi River Dredging Dist., P. O. Box 1017, furnishing and installing low pressure heating system, in warehouse building, U. S. Dredge Depot; advertised in this issue.

Tenn., Memphis—Steel Barges—Until Sept. 5, by Mississippi River Comn., 1st and 2nd Dists., Customhouse, furnishing steel barges; advertised in this issue.

Ore., Eugene—Alterations to Post Office—Until Aug. 29, by Treas. Dept., Wash., D. C., altering, here. J. A. Wetmore, acting superv. archt.

Wash., Puget Sound—Crane—Spec. 4478—Until Sept. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., furnishing one 50-ton steam crane for drydock, here.

Wash., Seattle—Emergency Dams—Until Sept. 22, by U. S. Engineer, constructing for Lake Washington Ship Canal Locks, here; advertised in this issue.

Cal., Los Angeles—Dredging—Until Aug. 22, by U. S. Engineer, 725 Central Bldg., dredging Los Angeles harbor on east side entrance of channel, here, involving 1,254,000 cu.yd. excav.

Cal., Mare Island — Riprapping Dike — Spec. 4390—Until Sept. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for riprapping Dike No. 12, Navy Yard, here, involving 100,000 cu.yd. rock. Noted Mar. 17.

Cal., San Diego—Dredging and Filling, etc.—Spec. 4485—Until Sept. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging, filling and repairing base, here. Noted June 30.

Cal., San Diego—Quay Wall Extension—Spec. 4484—Until Sept. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., extending at Naval base, here. Noted June 30.

H. T., Pearl Harbor—Machine Shop—Spec. 4464—Until Sept. 21, by Bureau Yards & Docks, Navy Dept., Wash., D. C., erecting steel work of machine shop, 1 story, 181 x 520 ft., at Naval Station, here.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Iona Island**—Power Plant Improvements—Spec. 4215—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing at Ammunition Depot, here, to Lord Constr. Co., 105 West 40th St., New York City. $20,939 (150 days). Noted Aug. 4.

★**S. C., Charleston**—Air Compression—Spec. 4431—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract, reciprocating air compression, Navy Yard, here, to Nordberg Mfg. Co., Oklahoma and Chicago Rd., Milwaukee, Wis., $34,100 (175 days). Noted July 28.

★**Cal., San Diego**—Barrack Alterations—Spec. 4429—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract altering Barracks C-1, Naval Base, here, to Miller & Eddleman, 401 Central Mortgage Bldg., San Diego, $3089 (90 days). Noted April 28.

Miscellaneous

PROPOSED WORK

Bituminous Dressing—Trenton, N. J.—Bd. Freeholders Mercer Co. soon receives bids furnishing 50,000 gal. bituminous dressing for Robbinsville-Allentown Rd. About $10,000. H. F. Harris, Court House, engr.

Piers—Phila., Pa.—Dept. Wharves, Docks & Ferries plans to remove old wooden piers north of Market St. on Delaware River and replace same with 3 large modern double-deck structures, one pier 70 ft. wide and 2 piers 160 ft. wide, all docks and waterways 170 ft. wide and 550 ft. long, providing first deck area of 226,000 sq.ft. and second deck area 186,960 sq.ft. About $4,000,000. G. Sproul, Bourse Bldg., dir. and engr.

Grain Elevator—Baltimore, Md.—Western, Maryland R.R. Terminal Co., Charles and Saratoga Sts., opens bids about Aug. 15, building rein.-con. addition to grain elevator, 1,000,000 bushel capacity, also building 247 ft. dock including wood piles, at Port Covington. J. Stewart & Co., 1210 Fisher Bldg., Chicag, Ill., engrs.

Swimming Pool — Indianapolis, Ind. — City having plans prepared for 128 x 192 ft. rein.-con. swimming pool, 610,000 gal. capacity. About $60,000. W. Bintz, 1713 South Genesee Dr., Lansing, Mich., engr.

Grain Elevator—Manito, Ill.—Grander Elevator Co., c/o L. A. Warmer, Manito, plans to build rein.-con. grain elevator, concrete flooring. About $75,000. Architect not selected.

Breakwater—Milwaukee, Wis.—Park Bd. having revised plans prepared constructing 260 lin.ft. rubble mound breakwater on Lake Shore Dr., Sect. 3. Former bids returned unopened. Noted July 14.

Seed Elevator—Chatham, Ont.—Rennie Seed Co., Richmond St., plans to rebuild seed elevator recently destroyed by fire. Loss $100,000.

BIDS DESIRED

Garbage Disposal—Providence, R. I.—Until Sept. 12, at office of W. C. Pelkey, city clk., City Hall, for garbage disposal; advertised in this issue.

Dock Wall, etc. — Buffalo, N. Y. — Until Aug. 22, by Pub. Wks. Comn., Municipal Bldg., constructing concrete dock wall in Buffalo Harbor from Jersey to Maryland Sts., also improving channel and constructing dock wall in Buffalo River, west of Ohio St. bridge. G. H. Norton, Municipal Bldg., engr. Noted Feb. 10.

Dredge, etc.—Belzoni, Miss.—Until Sept. 7, by Comrs. Belzoni D. D., furnishing floating dipper dredge or one self-propelling drag line (new or used). C. E. Miller, engr.; advertised in this issue.

Culvert—Jefferson, La.—Until Aug. 17, by Bd. Comrs., of Levee Bd., Room 201, New Orleans Court Bldg., furnishing equipment, material and labor for construction of rein.-con. culvert at "Hoey's Cut," involving 190 cu.yd. rein-con., 2,600 cu.yd. earth backfill, etc. J. C. Donner, secy.

Steam Generating Equipment—Hammond, Ind.—Until Aug. 26, by Bd. Pub. Wks., constructing and erecting steam generating equipment. J. Ericson, 30 North La Salle St., Chicago, Ill., consult. engr.; advertised in this issue.

Transmission Line—Haddam, Kan.—Until Aug. 16, by city, c/o E. L. Bowman, clk., building transmission lines and distributing systems from here to Cuba. About $25,000. W. B. Rollins, Ry. Exch. Bldg., Kansas City, Mo., engrs.

Portland Cement, etc.—St. Paul, Minn.—Until Aug. 15, by H. W. Austin, city purch. agt., furnishing 3,200 bbl. Portland cement, 2,000 cu.yd. gravel and 1,000 cu.yd. silica sand for water dept. About $12,900. O. Claussen, City Hall, engr.

Culverts, etc.—Ontario—Until Aug. 17, by W. A. McLean, deputy minister of highways, Parliament Bldg., Toronto, building concrete structures in Howard and Harwich Twps., Contr. 455; Sect. A McNab Twp., Contr. 460; Sect. B McNab Twp., Contr. 461; Sect. D Nepean Twp., Contr. 462; each contract comprises 1,000 cu. yd. concrete and 2,000 cu. yd. excav. About $90,000. G. Hogarth, Parliament Bldg., Toronto, ch. engr.

Railway Ties—Toronto, Ont.—Until Sept. 17, by W. H. Grant, engr., c/o Canadian Natl. Ry., 1 Toronto St., furnishing 1,000,000 railway ties. About $1,250,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Portland Cement, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro., Municipal Bldg., opened bids Aug. 3, furnishing and delivering 5,000 bags portland cement, from G. B. Raymond & Co, 293 Borden Ave., Long Island City, $3,875; J. A. McCarthy, 551 Exterior St., $4,125; J. P. Duffy & Co., 207 East 138th St., $4,150; 20,000 gal. bituminous road surfacing material (for use hot), from Barrett Co., 17 Battery Pl., $3,580; Tar Products Co., 1270 Bway., $3 660; F. J. Lewis Mfg. Co., $3,700.

Asphalt Joint Filler—Brooklyn, N. Y.—E. Riegelmann, boro. pres., Boro. Hall, opened bids Aug. 3, furnishing and delivering 150 ton asphalt joint filler for granite block pavements, from Standard Oil Co., 26 Bway., New York City, $24.97 per ton, total cost, $3,725; Texas Co., 17 Battery Pl., New York City, $29.26, $4,389. Noted July 28, under "Streets and Roads."

★**Pier—Phila., Pa.**—G. F. Sproule, dir. Dept. Wharves, Docks & Ferries, 550 Bourse Bldg., let contract constructing substructure of Girard Pier, No. 3, North Delaware River, to Snare & Triest, 1524 Chestnut St., $853,800. Noted Aug. 4.

★**Marine Terminals—Wilmington, Del.**—Bd. Harbor Comrs., 351 Municipal Bldg., let contrct building unit No. 1 of marine terminals, to Dupont Eng. Co., Dupont Bldg., $1,372,570. Noted July 14.

★**Grain Elevator—South Deering** (Chicago P. O.), **Ill.**—Chicago & Northwestern Ry., c/o W. H. Finley, pres., 226 West Jackson St., Chicago, let contract building 300 x 500 ft., rein.-con., brick and steel, here, to Witherspoon-Englar Co., 53 West Jackson St., Chicago. About $4,500,000.

★**Sluice Gates—Los Angeles, Cal.**—Bd. Supervs. Los Angeles Co. let contract furnishing sluice gates for Devils Gate Dam, to Llewellyn Iron Wks., Main and Redondo Sts., $24,567. Noted Aug. 4.

OFFICIAL PROPOSALS

Bids Aug. 23.

Construction of Viaduct

Trenton, N. J.

On Tuesday, the 23rd day of August, 1921, at 2:30 o'clock in the afternoon, daylight saving time, at its regular place of meeting, in the Court House, Trenton, New Jersey, the Board of Chosen Freeholders of the County of Mercer will receive proposals:

For performing all work and labor and furnishing all the materials, tools and equipment necessary or indicent to the construction and completion of a through plate girder viaduct containing a vertical lift span of the wire-rope type, over the Delaware and Raritan Canal and the Pennsylvania Railroad at Southard Street in Trenton, Mercer County, New Jersey, to be known as the "Southard Street Viaduct," in accordance wih plans and specifications prepared by Waddell & Son, Inc., and on file in their office, 35 Nassau Street, New York City, or in the office of the Mercer County Engineer at the Court House, Trenton, New Jersey, to which bidders are particularly referred for detailed information and for necessary proposal forms. Copies of plans and specifications may be obtained at either of the above named offices upon deposit of Ten Dollars ($10.00).

The total length of the viaduct is 375 ft., including the lift span of 73½ feet.

The approximate quantities of the principal items are as follows:

500 tons of structural steel.
40 tons of reinforcing rods.
1,400 cu. yd. of excavation.
1,700 cu. yd. of all classes of concrete.
74,000 lb. of machinery, cables, sheaves, etc.

Bidders' attention is called particularly to the fact that the specifications provide for a bonus of Twenty Dollars ($20.00) for each and every day that the work is completed in advance of the specified time of completion, and a penalty of the same amount per day for delay in completing the work. The entire work is to be completed within ten (10) months after the execution of the contract.

Each bid must be accompanied by the written proposal of a surety company fulfilling the requirements of section 507, chapter 185, laws of 1918, and the form of bond required will be substantially as described in chapter 75 of the laws of 1918. The amount of the bond required will be the full amount of the contract price. Each proposal must also be accompanied by cash or a certified check, in the amount of Ten Thousand Dollars ($10,000.00) payable to the order of Edgar G. Weart, County Treasurer, and deposited upon condition that as against the succesful bidder the same will be retained by the county as liquidated damages should he fail to execute a valid contract and furnish an acceptable surety company bond within seven days from the awarding of the contract.

The right is reserved to reject any or all bids and to waive any immaterial defect or informality in any bid should it be deemed to the interest of the county to do so.

CHARLES H. REICHERT,
Director of Dept. of Bridges.

Bids: Sept. 12.

Collection and Disposal of Garbage

Providence, R. I.

Sealed proposals will be received at the City Clerk's Office, City Hall, Providence, R. I., until 2:15 o'clock p.m., Monday, September 12, 1921, for the collection and disposal of Garbage in the City of Providence, by any of the following methods: feeding to swine—reduction process—or incineration. This Board will report all bids to the City Council with such recommendations as it may see fit to submit, and the contract will be made pursuant to action of the City Council.

Terms and requirements for bidding and specifications may be obtained at the office of the City Clerk, City Hall, Providence, R. I.

By order of the Board of Contract and Supply.

JOSEPH H. GAINER,
Mayor and Chairman
WM. C. PELKY, City Clerk.

Bids: Aug. 18.

Dairy Industry Building

CORNELL UNIVERSITY

Ithaca, N. Y.

NOTICE TO CONTRACTORS: Sealed proposals for the complete work of construction, including heating, sanitary and electric work, also separate bids for construction, heating, sanitary and electric work for the Dairy Industry Building, Cornell University, Ithaca, N. Y., will be received by Charles D. Bostwick, Comptroller, Cornell University, at his office, Cornell University, Ithaca, N. Y., until 12 o'clock noon (Standard Time), on Thursday, August 18, 1921, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check as follows:

Contractors bidding on the complete work (proposal No. 1), and also bidding on one or more branches of the work (under proposals Nos. 2, 3, 4 or 5), shall submit with their proposals a deposit in an amount equal to 5 per cent of the complete work (proposal No. 1); separate deposits will not be required for the various branches of the work when bid is submitted for the complete work.

Contractors not bidding on the complete work (proposal No. 1) and bidding on one or more branches of the work shall submit with their proposals a deposit in an amount equal to 5 per cent of the total sum of each proposal.

The contractors to whom the awards are made will be required to furnish surety company bond in the sum of 50 per cent of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3758, 3759, 3760 and 3761. The right is reserved to reject any or all bids. Drawings, specifications and blank forms of proposal may be consulted at the Dairy Building, Cornell University, Ithaca, N. Y.; at the New York Office of the Department of Architecture, Room 618, Hall of Records Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. PILCHER, Capitol, Albany, N. Y.

Dated: July 19, 1921.

Bids: Aug. 26.

Refuse Incinerators

Philadelphia, Pa.

Sealed proposals will be received and opened in Room 216, City Hall; at 12 o'clock noon, Friday, August 26, 1921 for: Refuse incinerators consisting of two or more units with a capacity of 140 tons per 24 hours of mixed refuse and a capacity of 240 tons of rubbish per 24 hours, at each of two or three stations in the City of Philadelphia.

The City will construct the foundation, buildings and chimneys.

Bidders must be responsible and have had experience in the construction of plants of this character and size.

Specifications, proposals and further information may be obtained from the above Bureau and from Samuel A. Greeley, Consulting Engineer, 39 West Adams Street, Chicago, Ill.

July 25, 1921.
FRED C. DUNLAP,
Chief of Bureau.
Inquire at Room 232, City Hall.

FRANK H. CAVEN,
Director.
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
Room 232, City Hall.

Bids: Aug. 16.

Cleaning Water Mains

Detroit, Mich.

Bids for cleaning about twenty miles of water mains will be received until noon, August sixteenth, by the Board of Water Commissioners, City of Detroit.

Bids: Aug. 15.

Paving

Somerville, N. J.

Notice is hereby given that sealed bids will be received by the Borough of Somerville for the paving of South Street, Union Street, Doughty Ave. and Somerset Street with one of the following:

A one course Reinforced Cement Concrete Pavement, or a Sheet Asphalt Pavement on a Plain Cement Concrete Base Course, or a Warrenite-Bitulithic Pavement on a Plain Cement Concrete Base Course, or a National Pavement on a Plain Cement Concrete Base Course. Estimated amount of pavement 17,032 square yards and opened and read in public at The Borough offices at Somerville, N. J., on the 15th day of August, 1921, at 7:00 p.m., Standard Time.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by W. J. Hardin, Engineer, are on file in the office of said Engineer at Newton, N. J. and at the office of the Borough Clerk of Somerville, N. J. and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the Engineer or Borough Clerk on proper notice and payment of the cost of preparation. Bids must be made on the Standard Proposal Forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes bearing the name and address of bidder and name of streets on the outside, addressed to The Borough of Somerville, N. J. and must be accompanied by a certificate of the Bondsmen and a certified check for not less than 10% of amount bid and be delivered at the place and on or before the hour above named. The Standard Proposal Form will be furnished on application to the Engineer, or Borough Clerk.

The Board reserves the right to reject any and all bids.

By Order of the Borough of Somerville.
J. B. VARLEY, Clerk.

Bids: Aug. 16.

Improvement of Highways

OFFICE OF THE STATE COMMISSION OF HIGHWAYS

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m. advanced standard time, which is 12 o'clock noon eastern standard time, on Tuesday, the 16th day of August, 1921, for the improvement of highways in the following counties:

Allegany (two highways)	(4.87:4.88)
Cayuga	(Approx. 6.76)
Chautauqua	(Approx. 1.32)
Erie	(Approx. 3.69)
Oswego	(Approx. 2.36)
Otsego	(Approx. 10.58)
Schoharie	(Approx. 4.39)
Suffolk	(Approx. 7.13)

Also for the reconstruction of highways in the following counties:

Allegany	(one contract)
Chemung	(one contract)
Columbia	(one contract)
Monroe	(one contract)
Schenectady	(one contract)
Steuben	(one contract)
Westchester	(one contract)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the offices of the Division Engineers in whose division the roads are to be improved or reconstructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "Special Information for Bidders" in the itemized proposal specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.
J. C. FINCH,
Secretary.